Good Connections

General Catalogue for Building Products 01/2019



Contacting OTTO-CHEMIE

Do you have any questions?

... how to find us

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Please send your orders via fax or e-mail in order to ensure

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The information in the present document corresponds to the status quo on going to print, (refer to the index on the outside back cover). With a new edition this edition becomes invalid. Due to the many possible influences during and after application, the customer always has to carry out trials first. Please observe the respective technical data sheet! This information is available on the Internet at www.otto-chemie.com. Errors and typographical errors are excepted.

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We are OTTO



Development

Production

Logistics

Sales

OTTO can look back on a company history lasting over 135 years: founded in Berlin in 1881 by Hermann Otto as a window putty manufacturer, the company has been producing silicone sealants since the early 1960s. Adhesives based on polyurethanes, silane-terminated polymers (hybrid) and acrylates round off the product range. The sealants and adhesives are developed in OTTO's own laboratories and marketed under the brand names of OTTOCOLL® (sealants), OTTOCOLL® (adhesives) and Novasil® (industrial applications). A broad range of special products facilitates solutions to complex problems.

The medium-sized company is one of the leading European manufacturers of high quality sealants and adhesives for professional users.

A close partnership with its customers provides the precondition for OTTO satisfying the needs of discerning customers. OTTO is appreciated as a socially committed, reliable employer by its around 450 employees. Modern production plants and an attractive administration building provide the perfect working atmosphere from both a profession and social point of view, and create the best conditions for employees who are both satisfied and motivated.

The new OTTO logistics and training centre was inaugurated in the autumn of 2015. With its spacious training rooms, the OTTO training centre offers enough space for up to 40 participants.

OTTO - always a good connection.

The OTTO app

Everything you need to know about sealing and bonding

Any time, any place

Existing OTTO customers can click or scan their way quickly and easily to compile their necessary products. All that is left to do is to submit the order and we will start processing it.

On the cartridge, the box or in the catalogue - simply use the integrated scanner to scan in the QR code and either receive all the essential information about the product or simply add it to your order.

You want to seal a sink? Or bond a mirror? You can receive the right recommendation for the product you require for these and many other applications here.

You can download the data sheets for all the products in the catalogue here.



right amount of sealant and primer for your projects calculated.

To attain a homogenous appearance, the colour of the silicone sealant must match the joint mortar used. To this end, we offer the most common hard joint manufacturers colour recommendations for our sealants.

To attain the best possible bonding, some sealants and adhesives require the pretreatment of the substrate/the materials to be bonded. You can find out here whether you need a primer and, if so, which material you need to pre-treat with which primer.

You can find the contact details of the various departments at OTTO here - direct by telephone, e-mail or fax.

The app is available for Apple and Android devices (smartphones and tablets) in the respective store. Simply scan the adjacent QR code or search for "otto chemie" in the store. Further information is available at www.otto-chemie.de/de/app



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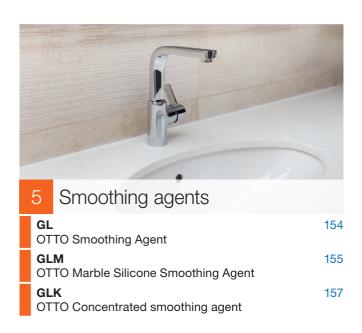
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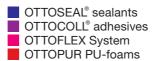
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Fields of application	Sealing	Bonding
Bonding building components and insulating materials (e.g. made of Styrodur®)		P85 P340
Bonding mirrors		M550 M560 M570 M580 S16 S610 FIXBA
Entire substrate sealing beneath ceramic tiles in bathrooms and damp rooms	OFS	
Glueing individual tiles in place for repair purposes		A 265M 500M 501M 540M 550M 560M 570M 580P 85
Joint filling materials between ceramic slabs and natural stone used outside with the slab bearings by TERRA LEVEL	S70 S80	
Mirror edge sealing	S70 S80 S120 S121 S125 S130 S140	
Priming to improve adhesion on waterproof and smooth surfaces (e.g. glazed tiles)	OFS/OFH	
Sealing joints applications in the food and drinking water sector (e.g. in dairies, abattoirs)	S27 S34 S110 S130	
Sealing joints in continuously wet areas, e.g. in public bathroom facilities	S18 S140	
Sealing movement joints in bathroom areas (e.g. on bath tubs and shower trays, wash basins) to ceramic tiles and ceramic slabs	S100 S105 S110 S115 S120 S121 S125 S130	
Sealing movement joints in bathroom areas (e.g. on bath tubs and shower trays, wash basins) to tiles and slabs made of marble and natural stone	\$70 \$80 \$117 \$130 \$140	
Sealing movement joints in walls and ceilings	A205	
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Sealing swimming pool and underwater joints	S18 S70 S140	





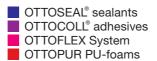


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Fields of application	Sealing	Bonding
Bonding kitchen worktops on metal and insulating materials		M500 M501 M550 M560 M570 P85
Bonding stairs made of marble and natural stone on substructures (e.g. made of concrete, metal etc.)		S70 S80 M500 M501 M550 M560 M570 P85 P340 P520
Full surface sealing under marble and natural stone	OFS	
General bonding applications on marble and natural stone		S70 S80 M500 M501 M550 M560 M570 P85 P340 P520
Hydrophobizing of marble and natural stone façades	SXN	
Mirror edge sealing on marble and natural stone	S70 S80 S130 S140	
Priming to improve adhesion on waterproof and smooth surfaces (e.g. glazed tiles)	OFS/OFH	
Seal movement joints in façades made of marble and natural stone	S70 S80 S117 S130 S140 S140 S117 S130	
Seal movement joints in floors made of marble and natural stone	S70 S140	
Sealing artificial stone or concrete products	S70 S80 S117 S130 S140 S140 S117 S130	
Sealing joints in marble and natural stone in swimming pool and underwater areas	S70 S140	
Sealing kitchen worktops made of marble and natural stone	\$70 \$80 \$117 \$130 \$140	
Sealing movement joints to tiles and slabs made of marble and natural stone	\$70 \$80 \$117 \$130 \$140	



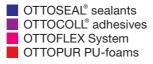








Fields of application	Sealing	Bonding
Bonded-window constructions		Contact our Technical Dep.
Bonding EPDM profiles		S54
Bonding corner joints in windows, metal doors and façades as well as conservatories		P86 P520
Bonding decorative strips on door parts		A 265M 501M 540M 550M 560M 570M 580
Connection joints according between window/door and walling systems	A710 M360 P720 S730 A770 BAB BKA FBA	
Fire protective glazing according to DIN 4102-B1	S94	
Foaming roller blind housings		OP910 OP920 OP930 OP940
Frame bonding in the manufacture of wooden windows and doors		P84 P85 P410
Manufacturing of sandwich/composite boards (e.g. partition walls, front doors, facing tiles etc.)		M580 M590 P84 P410
Mounting door and window frames	M360	OP910 OP920 OP930 OPTU
Sealing glazing rebate on wooden windows according to DIN 18545, resistance group E	S110 S120	
Sealing joints	A205 A210 M350 M360 P300 P305 S70 S80 S110 S115 S117 S120 S125 A770 BAB BKA FBA ODB OFB	
Sealing mitre cuts and profile joints on metal windows, metal doors and façades	A225	
Window frames and window bars – sealing	S112	
Wing overlapping bonds		M580 FIXBA
Wood-glass-composite units	S7 S10 S94	Contact our Technical Dep.







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Window and door mounting

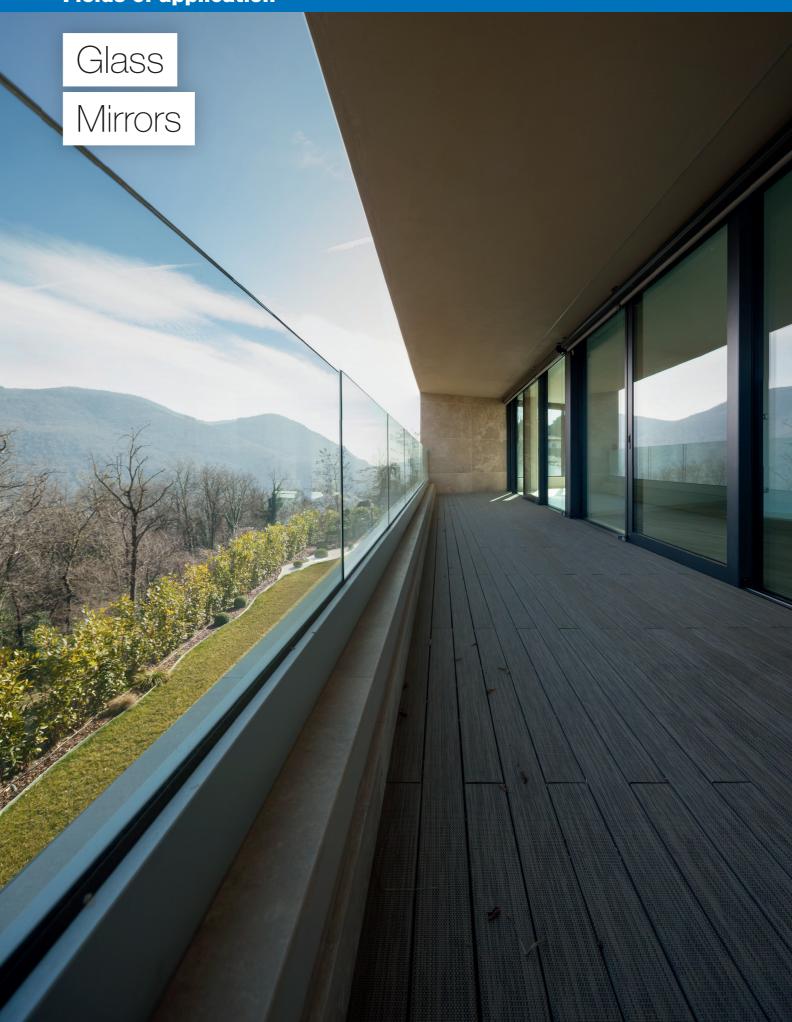


Fields of application	Sealing	Bonding
Assembly of window sills with multifunctional sealing tape FBA	FBA	
Foaming roller shutter housings		OP910 OP920 OP930 OP940
Joints between window and walling system inside use with extrudable sealants	A710 M360	
Joints between window and walling system inside use with window tape	BAB/I M 360	A770
Joints between window and walling system outside use with extrudable sealants	P720 S730 M360	
Joints between window and walling system outside use with window tape	BAB/A	M360 A770
Mounting door and window frames		OP910 OP920 OP930 OP940
Pre-filling of joints between window and walling system inside and outside	OFB PE	
Structural connection with multifunctional sealing tape BKA for windowsw and door mounting	ВКА	

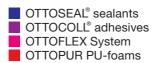








Fields of application	Sealing	Bonding
Bonding mirrors		M550 M560 M570 M580 S16 S610 FIXBA
Bonding of glass bricks		S28
Crystal clear (highly-transparent) silicone		S50
Crystal clear bonding of glass display cabinets and shop windows		\$50
Fire protective glazing according to DIN 4102-B	S94	
Mirror edge sealing	S70 S80 S120 S121 S125 S130 S140	
Sealing and bonding aquaria	S28	S28
Sealing figured glass	M350 S100 S105 S110 S120	
Sealing glazing rebate on wooden windows according to DIN 18545, resistance group E	S110 S120	
Sealing joints on and in acrylic glass (e.g. Plexiglas®) and polycarbonate (e.g. Makrolon®, Lexan®) for construction work with plastics, greenhouses, conservatories	S72	
Sealing laminated safety glass	S7 S10 S110 S120	
	For resins please contact our technical service department	
Secondary edge sealing for insulating glass	S9	S 9
Weather resistant sealing on metal constructions, e.g. on angled glazing, roof glazing, conservatories and structural glazing elements	S7 S10	
Window frames and window bars – sealing	S112	
Wood-glass-composite units	S7 S10	Contact our Technical Dep.





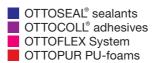


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220



Fields of application	Sealing	Bonding
Bonding decorative strips to door parts		A265 M560
Bonding dovetail joints (e.g. on garden furniture, non-supporting timber elements)		P84 P410
Bonding skirting boards and edgings		A265 M540 M550 M560 P85 P340
Bonding stairs		M500 M501 M540 M550 M560 M570 P85
Frame bonding for the manufacture of wooden windows and doors		P84 P85 P410
Jointing laminate, cork and OSB floors	A221	
Jointing parquet and timber floors	A221	
Manufacturing sandwich/composite boards (e.g. partition walls, front doors, facing tiles etc.)		M590 P84 P410
Mounting door and window frames	BKA FBA	OP910 OP920 OP930 OPTU M360
Plywood fabrication for non-supporting constructions		P84 P410
Sealing glazing rebate wooden windows according to DIN 18545, resistance group E	S110 S120	
Sealing joints of wooden windows and doors	A205 A210 A710 M350 M360 P300 P305 P720 S70 S80 S110 S115 S117 S120 S125 S730 BAB BKA FBA OFB	A770
Weather resistant (DIN EN 204 D4) and temperature resistant (DIN EN 14257) (WATT 91) bonding		P84 P85
Window frames and window bars – sealing	S112	
Wood-glass-composite units	S7 S10	Contact our Technical Dep.











Fields of application	Sealing	Bonding
Bonding ceiling profiles and decorative boards		A265
Bonding fibreboards and gypsum plasterboards on substructures		A265 M550 M560 P85 P340
Bonding of vapour retarders and vapour barriers		P270 D-25-I E-40-I
Bonding screed elements		P410
Fire-protective sealing work according to DIN 4102-B1	S94 OFB	
Foaming and filling of cavities, wall fractures etc.		OP910 OP920 OP930 OP940
Sealing and repairing wall cracks	A205 A215 M360	
Sealing joints	A205 A210 A710 M360 P720 S730 BAB BKA FBA	A770
Waterproof coating beneath tiles and slabs in bathroom areas	OFS	







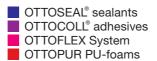
Fields of application	Sealing	Bonding
Hydrophobic treatment of façades	SXN	
Joints between window/door and walling system	A710 M360 P720 S730	
Manufacturing of sandwich panels/composite boards (e. g. partition walls, front doors, facing tiles etc.)		M590 P84 P410
Sealing building construction expansion joints according to DIN 18540-F	M360 P300 P305 S110	
Sealing expansion and joints	A710 M360 P300 P305 P720 S70 S80 S110 S115 S117 S120 S125 S130 S140 S730 BAB BKA FBA	A770
Sealing joints using sealing tape to make it impermeable to driving rain	OFB	
Sealing joints window frame and wall by means of tapes	BAB BKA FBA	A770
Weather resistant sealing on metal constructions, e.g. on angled glazing, roof glazing, conservatories and structural glazing elements	S7 S10	
Wood-glass-composite units	S7 S10	Contact our Technical Dep.







Fields of application	Sealing	Bonding
Bonding of corner joints in metal windows, doors and façades as well as conservatories		P86 P520
Fire protective sealings on metal constructions according to DIN 4102-B1	S94	
Sealing air conditioning equipment and ventilation systems	M350 M380 S68 S69 M500 P83	
Sealing car-body joints	M500 P83	M540 M560 M570 M580
Sealing gutters	A250 S110 S115 S125	
Sealing joints for the construction of vehicles and containers	M500 P83	M540 M560 M570 M580
Sealing joints on metal windows and doors	A205 A207 A210 A710 M350 M360 P300 P305 P720 S70 S80 S110 S115 S117 S120 S125 S130 S140 S730 BAB BKA FBA OFB	A770
Sealing joints with little expansion in the plumbing, tin-smith and tiler trade	A250	M500 M540 M560 M570
Sealing mitre cuts and profile joints on metal windows, doors and façades	A225	
Weather resistant sealing on metal constructions, e.g. on angled glazing, roof glazing, conservatories and structural glazing elements	S7 S10	











Fields of application	Sealing	Bonding
Bonding skirting boards and edgings (e.g. made of wood and PVC)		A265M500M501M540M550M560P85P340
Jointing laminate, cork and OSB floors	A221	
Jointing parquet and timber floors	A221	
Sealing floor joints in natural stone	S70 S140	
Sealing heavy duty floor joints (industrial floors driven on)	S34	
Sealing joints for linoleum floors	S51	
Sealing joints on plastic floor coverings (e.g. PVC, rubber stud tile flooring)	S51	
Sealing joints with difficult detention underground (e.g. melted asphalt pavement)	S54	
Sealing movement joints in normally stressed ceramic tile and slab pavings	S100 S110 S121 S125	









Fields of application	Sealing	Bonding
Bonding and sealing aquaria	S28	S28
Bonding sandwich panels		M 590 P 410
Crystal clear (highly-transparent) silicone		S50
Fire-protective sealing work according to DIN 4102-B1	S51 S54 S94	
High temperature-resistant seals (e.g. on heating boilers, chimney-flues etc.)	S 17 S 25	
Mounting door and window frames soundproof	M360	OP940
Sealing applications in the food and drinking water sector (e.g. in dairies, abattoirs)	S27 S34 S110 S130	
Sealing work in clean-rooms (e.g. operating theatres, microelectronics etc.)	S51 S68 S69	
Swimming pool and underwater seals	S18 S70 S140	
Window frames and window bars – sealing	S112	











OTTOSEAL® A 205

The premium acrylic sealant











- 1-component sealant based on acrylate
- Permissible movement capability according to ISO 9046 (manufacturer's test) 18 %
- Rainproof
- Low odour
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Good UV-resistance
- Can be stored and transported in temperatures as low as -10°C for up to 48 hours
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.3 N/mm²





- Primarily suitable for interior fittings but can also be used for exterior use if temperature is above +5 °C.
- Movement joints with little stress, e.g. between wooden window/door frames and masonry, plaster or concrete



 Joints in concrete, cellular concrete, plaster, masonry, wood, gypsum plasterboard, fibre cement, roller blind housings, window sills etc.

Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT 12.5 P
- Suitable for applications according to IVD Instruction sheet no. 12+16+20+29+31+32+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet

Colour	310 ml Cartridge	400 ml Alum. Foil Bag	580ml Alum. Foil Bag	2.5 kg Plastic Bag
concrete grey	A205-04-C56	on request	A205-08-C56	on request
brown	A205-04-C05	on request	on request	on request
black	A205-04-C04	on request	on request	on request
white	A205-04-C01	A205-07-C01	A205-08-C01	on request
Packaging unit	20/Box	20/Box	20/Box	20/Box
Pieces per pallet	1,200	900	880	150



Additional useful information

OTTOSEAL® A 205 should be processed at surface temperatures ranging between +5 °C and +35 °C. Curing takes longer than usual at lower temperatures. This may lead to crack formation in the sealant caused by stress owing to changes to the lengths of the adjacent components before curing has been completed. Also at high temperatures there is the risk of an alteration caused by the thermal changes. If the components cool down too much shortly after the joint is formed, the sealant may be subject to a strong extension or compression which the still thin skin of the sealant cannot compensate.

Direct exposure to water owing to rain or draining water must be avoided during application and curing of OTTOSEAL® A 205 until a firm skin has formed on its surface. Once completely cured, OTTOSEAL® A 205 is resistant to rain and temperature-stable from -20 °C to +80 °C. It must be borne in mind that all dispersion acrylates contain water and are therefore sensitive to frost until fully cured.

OTTOSEAL® A 207

The standard acrylic sealant











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- 1-component sealant based on acrylate
- Permissible movement capability according to ISO 9046 (manufacturer's test) 15 %
- Low odour
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Good UV-resistance
- Can be stored and transported in temperatures as low as -10°C for up to 48 hours
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.3 N/mm²

Fields of application

- Primarily suitable for interior fittings
- Movement joints with little stress, e.g. between wooden window/door frames and masonry, plaster or concrete
- Joints in concrete, cellular concrete, plaster, masonry, wood, gypsum plasterboard, fibre cement, roller blind housings, window sills etc.

- Suitable for applications according to IVD Instruction sheet no. 12+16+20+29+31+32+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Tested according to EN 15651 Part 1: F EXT-INT 12.5 P

Colour	300 ml Cartridge
concrete grey	A207-03-C56
brown	A207-03-C05
black	A207-03-C04
white	A207-03-C01
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOSEAL® A 210

The economic acrylic sealant



Characteristics

- 1-component sealant based on acrylate
- Permissible movement capability according to ISO 9046 (manufacturer's test) 10 %
- Low odour
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Can be stored and transported in temperatures as low as -10°C for up to 48 hours



Fields of application

- Suitable for interior work
- Expansion joints and connection joints with only low stress, e.g. between wooden windows/door frames and brickwork, plaster or concrete indoors
- Joints and connections on concrete, cellular concrete, putty, brickwork, wood, gypsum plaster, fibre cement, roller shutter casings, window sills, etc. indoors



- Tested according to EN 15651 Part 1: F INT 7.5 P
- Suitable for applications according to IVD Instruction sheet no. 12+20+29+31+32+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	400 ml Alum. Foil Bag	580ml Alum. Foil Bag
concrete grey	A210-04-C56	on request	on request
white	A210-04-C01	A210-07-C01	A210-08-C01
Packaging unit	20/Box	20/Box	20/Box
Pieces per pallet	1,200	900	880



OTTOSEAL® A215

The grainy crack and repair filler



Characteristics

- Grainy 1-component acrylic crack and repair filler
- Low odour
- Due to its grainy components it ideally assimilates to the plaster structure
- Paintable with commercial dispersion paints
- Good UV-resistance
- Can be stored and transported in temperatures as low as -10°C for up to 48 hours



Fields of application

- For application in interior and exterior areas
- Repairing cracks in plaster and masonry
- Smoothing out irregularities
- Concrete restoration officially tested, impermeable to water up to 10 bar
- Movement compensating joint sealing between tiles and connecting joints for tile stoves



- Suitable for applications according to IVD Instruction sheet no. 12+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge
light-grey	A215-04-C38
white	A215-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOSEAL® Parkett

The silicone-free joint plastic parquet joint compound for wooden laminate and cork floors



Characteristics

- 1-component acrylate joint compound
- Silicone-free
- Fast-drying
- Grindable and paintable after curing
- Protects against water entering into the surface, e.g. when cleaning
- Store and transport frost-free

Fields of application

- Joint compound for parquet, laminate floors, wooden floor boards and cork floors
- Joint compound for floor and skirting boards, door sills and other structural components
- Joint compound for repair joints on wood



- Suitable for applications according to IVD Instruction sheet no. 8+12+31+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+

Colour	310ml Cartridge
old white	A221-04-C51
beech muted	A221-04-C66
light-beech, Can. maple	A221-04-C53
doussie, pear tree	A221-04-C85
antique oak	A221-04-C700
dark oak	A221-04-C1237
fair oak	A221-04-C64
rustic oak	A221-04-C98
black oak	A221-04-C6118
natural ash	A221-04-C884
ash, pine, spruce, Eur. maple	A221-04-C105
joint-grey	A221-04-C71
cherry	A221-04-C17
larch	A221-04-C104
mahogany, merbau	A221-04-C29
teak, afrormosia	A221-04-C101
Packaging unit	20/Box
Pieces per pallet	1,200

OTTOSEAL® A 225

The mitre sealant for metal and wooden windows



Characteristics

- 1-component sealant based on acrylate
- Good adhesion on aluminium
- Low odour
- Can easily be removed if fresh and uncured by using water
- Can be painted and varnished please observe application instruction in TDS
- Translucent (slightly cloudy) after curing and thus suitable for all metal windows colours
- Can be stored and transported in temperatures as low as -10°C for up to 48 hours



 Sealing of frame joins and mitre cuts in metal construction and wooden windows



- Suitable for applications according to IVD Instruction sheet no. 12+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge
translucent	A225-04-C95
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOSEAL® A 250

The caulking material for roofs and moist surfaces



Characteristics

- Plastic sealant based on acrylate copolymer
- Compatible with bitumen
- Universal primerless adhesion on sheet metal, aluminium, copper, brass, glass, ceramics, bitumen, wood, concrete, masonry, plaster, tiles, roofing tiles, polyester, roofing felt, zinc etc.
- Adheres also on moist, smooth, non absorbent substrates
- Immediately rainproof
- Silicone-free
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Good UV-resistance



Fields of application

- Perfect sealing for roofers and plumbers
- Sealing of air condition and ventilation systems
- Safe sealing of joints with little expansion
- Sealing of joints and seams on the roof, including on damp substrates
- Edge sealing of chimneys, metal profiles and parapet covers
- Sealing of bitumen coats on masonry, concrete, etc.
- Adhesion and joining of corrugated roofing tiles made from fibre cement, metal, PVC, polyester and bitumen (depending on the expected loads, e.g. wind suction, an additional mechanical attachment may be required)
- Barrier of building materials containing bitumen for the subsequent silicone sealant

Standards and tests

 Suitable for applications according to IVD Instruction sheet no. 12+31+35 (IVD = German industry association sealants)

Colour	310ml Cartridge
crystal clear	A250-04-C30
grey	A250-04-C02
black	A250-04-C04
white	A250-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200



Additional useful information

The sealing compound for bitumen can be used to seal dormers and penetrations as a barrier against building materials containing bitumen. It functions as an alternative to PE film barriers. For this purpose a sealant bead with a minimum thickness of 3 mm is applied to the joint. Adhesion on moist, smooth, non-absorbant substrates is achieved even without using primers.

The maximum joint width should not exceed 10 mm and the sealant is only suitable for joints that show little movement, due to its plastic properties.

Because of its excellent adhesive power it tends to become stringy which can be avoided by jerking the cartridge away. OTTOSEAL® A 250 remains slightly sticky; therefore face joints must be sealed afterwards with OTTOSEAL® S 110 or S 120, which cure with non-sticky surfaces to protect the sealant surface from being soiled.

OTTOSEAL® A 250 is not suitable for Styropor® or Styrodur®, for building expansion joints, floor and skirting board joints as well as for sealants for underwater use.

OTTOSEAL® A710

The special acrylic for window and door mounting INSIDE



Characteristics

- 1-component sealant based on acrylate
- Low vapour permeability
- Permissible movement capability according to ISO 9046 (manufacturer's test) 18 %
- Excellent processing characteristics
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Low odour
- Can be stored and transported in temperatures as low as -10°C for up to 48 hours



■ For window and door mounting INSIDE



For lasting airtight inside sealing of joints between windows and construction elements to be used in combination with OTTOSEAL® P 720 and OTTOSEAL® S730 (for exterior application)



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT 12.5 P
- Tested according to "Air impermeability and driving rain resistance of joints between window and construction parts after simulated short-term strain" by the ift Rosenheim, Germany (institute for window techniques)
- Suitable for applications according to IVD Instruction sheet no. 9+12+24+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission

Colour	310 ml Cartridge	580 ml Alum. Foil Bag
white	A710-04-C01	A710-08-C01
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	880



OTTO product tip

OTTOSEAL® P720 OTTOSEAL® S730 p. 50

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M350

OTTOSEAL® M350

The MS sealant



Characteristics

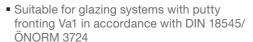
- 1-component sealant based on MS hybrid polymer
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Good weathering and ageing resistance
- Non-corrosive
- Silicone-free



Fields of application

- Window pane sealing on wooden windows
- Sealing of joints on windows and doors made of wood, metal and plastic
- Sealing of pipe and antenna ducts
- Sealing double-glazings (e.g. "Profilit")
- Sealing of joints on façades, metal constructions







- Tested according to EN 15651 Part 1: F EXT-INT CC 25
- Tested according to EN 15651 Part 2: G CC 25 HM
- According to the requirements of DIN 18545, stress group A and D
- According to the requirements of ISO 11600 G 25 HM
- Suitable for use in room ventilation systems according to VDI 6022 (Ass. Of Germ. Engineers), sheet 1 tested according to DIN EN ISO 846 (by the Institute for Hygiene Berlin, Germany)
- Suitable for applications according to IVD Instruction sheet no. 9+12+20+24+27+29 +31+32+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- Declaration in "baubook" Austria

Colour	300 ml Cartridge
concrete grey	M350-03-C56
white	M350-03-C01
Packaging unit	12/Box
Pieces per pallet	1,152

M360

OTTOSEAL® M360

The hybrid sealant for expansion joints



Characteristics

- 1-component sealant based on STP hybrid polymer
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Good weathering and ageing resistance
- Cures without bubble formation
- Low odour
- Free of isocyanates
- Silicone-free
- Tack-free surface after approx. 6 hours



- External joints according to DIN 18540-F
- Sealing of joints on façades, metal constructions







Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- EMICODE® EC1 PLUS R very low emission
- Suitable for applications according to IVD Instruction sheet no. 7+9+12+19-1+20+22 +24+27+29+31+32+35 (IVD = German industry association sealants)
- According to regulation (EG) no. 1907/2006 (REACH)
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+
- Declaration in "baubook" Austria

Colour	310 ml Cartridge	580ml Alum. Foil Bag
RAL 7016	M360-04-C7016	M360-08-C7016
RAL 7039	on request	M360-08-C7039
RAL 9001	M360-04-C9001	M360-08-C9001
RAL 9016	on request	M360-08-C9016
brickred	on request	M360-08-C3178
basalt	on request	M360-08-C2260
concrete grey	M360-04-C56	M360-08-C56
dark concrete grey	on request	M360-08-C3172
dark brown	on request	M360-08-C49
grey aluminium	on request	M360-08-C5078
light greybeige	M360-04-C537	M360-08-C537
manhattan	on request	M360-08-C43
middle-grey	on request	M360-08-C3182
mortar grey	on request	M360-08-C102
sand-beige	M360-04-C3180	M360-08-C3180
black	M360-04-C04	M360-08-C04
white	M360-04-C01	M360-08-C01
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	880



OTTO product tip

OTTO Window Tape Outside OTTO Window Tape Inside p. 224

p. 225



M380

OTTOSEAL® M380

The hybrid sealant for ventilation shafts



Characteristics

- 1-component sealant based on STP hybrid polymer
- Good weathering and ageing resistance
- Non-corrosive
- Silicone-free
- Free of isocyanates
- Low odour
- Contains fungicides

Fields of application

- Sealing of air condition and ventilation systems
- Sealing of metals, e.g. aluminium, anodized aluminium, brass, copper, stainless steel etc.



- Suitable for use in room ventilation systems according to VDI 6022 (Ass. Of Germ. Engineers), sheet 1 tested according to DIN EN ISO 846 (by the Institute for Hygiene Berlin, Germany)
- Suitable for applications according to IVD Instruction sheet no. 12+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	580 ml Alum. Foil Bag
RAL 7004	M380-08-C7004
Packaging unit	20/Box
Pieces per pallet	600



P300

OTTOSEAL® P300

The standard PU sealant



Characteristics

- 1-component sealant based on polyurethane
- Good weathering and ageing resistance
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Silicone-free

Fields of application

- External joints according to DIN 18540-F
- Expansion joints on prefabricated concrete and cellular concrete units
- Sealing of façades, metal constructions, window and door connections, flat roof parapets



- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested and monitored according to DIN 18540-F (Süddeutsches Kunststoff-Zentrum, Würzburg, Germany)
- Suitable for applications according to IVD Instruction sheet no. 7+9+12+20+22+24+27+29 +31+32+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	600 ml Alum. Foil Bag
concrete grey	P300-19-C56
middle-grey	P300-19-C78
white	P300-19-C01
Packaging unit	20/Box
Pieces per pallet	880

P305

OTTOSEAL® P305

The premium PU sealant



Characteristics

- 1-component sealant based on polyurethane
- Cures without bubble formation
- Good weathering and ageing resistance
- Compatible with coatings according to
- Can be painted and varnished please observe application instruction in TDS
- Silicone-free
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.3 N/mm²



- External joints according to DIN 18540-F
- Expansion joints on prefabricated concrete and cellular concrete units
- Sealing of façades, metal constructions, window and door connections, flat roof parapets



- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested and monitored according to DIN 18540-F (Süddeutsches Kunststoff-Zentrum, Würzburg,
- Suitable for applications according to IVD Instruction sheet no. 7+9+12+20+22+24+27+29+31+32+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- EMICODE® EC1 PLUS R very low emission

Colour	600 ml Alum. Foil Bag
concrete grey	P305-19-C56
light-grey	P305-19-C38
middle-grey	P305-19-C78
mortar grey	P305-19-C102
black	P305-19-C04
white	P305-19-C01
Packaging unit	20/Box
Pieces per pallet	880







P720

OTTOSEAL® P720

The special PU for window and door mounting OUTSIDE



Characteristics

- 1-component sealant based on polyurethane
- High vapour permeability
- Good weathering and ageing resistance
- Silicone-free
- Cures without bubble formation
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS

- For window and door mounting OUTSIDE
- Water permeable sealing of external joints between windows and construction parts resistant to driving rain to be used in combination with OTTOSEAL® A710 (for the interior application)



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to "Air impermeability and driving rain resistance of joints between window and construction parts after simulated short-term strain" by the ift Rosenheim, Germany (institute for window techniques)
- Suitable for applications according to IVD Instruction sheet no. 9+12+24+27+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- EMICODE® EC1 PLUS R very low emission

Colour	310ml 580ml Alum. Cartridge Alum. Foil Bag		
concrete grey	P720-20-C56 c	on request	
white	P720-20-C01 F	P720-08-C01	
Packaging unit	20/Box 2	20/Box	
Pieces per pallet	1,200	600	



OTTOSEAL® A 710 p. 43







OTTOSEAL® S7

The weather sealing silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Excellent weathering, ageing and UV-resistance
- Long skin-formation
- User-friendly matt surface
- High resistance to notches, tension and tearing
- Excellent adhesion on many substrates, partly in combination with primer
- Compatible with PVB-foils according to the criteria of the ift-guideline DI-02/1
- Compatible with insulating glass edge bond sealing based on silicone
- Non-corrosive



Fields of application

- Specially developed for the weather sealing of structural glazing, angled glazing, timber-glasscomposite elements, roof glazing and conservatories
- Suitable for sealing glazing units
- Suitable for joints on insulating glass units

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- According to the requirements of DIN 18540-F
- According to the requirements of ISO 11600 F 25 LM
- Suitable for applications according to IVD Instruction sheet no. 22+31+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+

Colour	310 ml Cartridge	580ml Alum. Foil Bag
black	S7-04-C04	S7-08-C04
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600

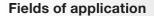
OTTOSEAL® S9

The 1-component insulating glass edge sealant



Characteristics

- Neutral-curing 1-component silicone sealant and adhesive, MEKO-free
- Excellent weathering, ageing and UV-resistance
- Excellent adhesion on many substrates, partly in combination with primer
- High resistance to notches, tension and tearing
- Compatible with spacers made of aluminium and stainless steel
- Non-corrosive
- Compatible with PVB-foils according to the criteria of the ift-guideline DI-02/1



 Secondary edge sealing for manufacturing UV-resistant insulating glass units in connection with butyl rubber as primary sealing



- Tested according to EN 1279, part 2 with gasfilled multi-panel insulating glass with spacers made of aluminium and tested according to EN 1279, part 4, paragraphs 5.1 and 5.2 by the MPA Darmstadt, Germany
- Suitable for applications according to IVD Instruction sheet no. 35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310ml Cartridge	580 ml Alum. Foil Bag	201 Pail
black	S9-04-C04	S9-08-C04	on request
Packaging unit	20/Box	20/Box	1
Pieces per pallet	1,200	600	16



OTTOSEAL® S 10

The sealant for glass constructions





- Neutral-curing 1-component silicone sealant, MEKO-free
- Excellent weathering, ageing and UV-resistance
- Excellent adhesion on many substrates, partly in combination with primer
- Non-corrosive
- High resistance to notches, tension and tearing
- Compatible with PVB-foils according to the criteria of the ift-guideline DI-02/1



Fields of application

- Sealing of expansion joints in building construction
- Also suitable for weather sealing of structural glazing, angled glazing, timberglass-composite elements, roof glazing and conservatories
- Suitable for sealing glazing units
- Installation of X-ray protective glass
- Elastic sealing in the electric industry, mechanical engineering, automotive and shipbuilding
- Not suitable for the structural bonding of structural glazing units

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- The manufacturer has tested and confirmed the compatibility to strainless Plexiglas[®]. Test report on the compatibility with plexiglas[®]-XT is available.
- Tested and recommended by Schott Desag AG Deutsches Spezialglas, D-31073 Grünenplan, for the installation of RD 50 and RD 30 X-ray protective glass
- UL 94 Flame Classification HB, RTI 105 °C, File No. E 176319
- Suitable for applications according to IVD Instruction sheet no. 22+30+31+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+

Colour	310ml Cartridge
grey	S10-04-C02
black	S10-04-C04
transparent	S10-04-C00
white	S10-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOSEAL® S 17

The neutral high temperature silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Extraordinary long-term temperature resistance up to +285°C
- Non-corrosive



Fields of application

- High temperature resistant and still elastic bonding and sealing, e.g. for cast member heating boilers, exhaust boxes, tile stoves etc.
- Also suitable for applications in automotive areas for engines and gearboxes

Standards and tests

- UL 94 Flame Classification HB, RTI 105°C, File No. E 176319
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- Suitable for applications according to IVD Instruction sheet no. 31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge
red-brown	S17-04-C65
Packaging unit	20/Box
Pieces per pallet	1,200



Additional useful information

The difference between the two high temperature silicones, OTTOSEAL® S17 and OTTOSEAL® S25, lies in the type of curing:

OTTOSEAL® S17 is a neutral curing sealant based on oxime; OTTOSEAL® S25 is an acetate curing sealant.

The high temperature resistance of OTTOSEAL® S17 of up to +285 °C is complemented by the fact that the sealant is non-corrosive. The high degree of Shore-A hardness of approx. 35 is also indicative of the notch-resistant properties.

These combined values result in a sealant that is suitable for use in heavy-duty applications, e.g. engines and transmissions.





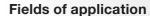
OTTOSEAL® S 18

The swimming pool silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Extremely resistant to continuously wet conditions
- Contains extra fungicide
- High resistance to notches, tension and tearing
- Resistant to chlorine in the concentration required for swimming pool desinfection
- Non-corrosive
- Excellent adhesion on many substrates, partly in combination with primer
- Excellent weathering, ageing and UV-resistance



 Sealing of swimming pools and -baths as well as elastic jointing on the pool edges



Standards and tests

- Suitable for applications according to IVD Instruction sheet no. 14+17+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310ml Cartridge
grey	S18-04-C02
silk grey	S18-04-C77
transparent	S18-04-C00
white	S18-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200



Additional useful information

For underwater joints certain prerequisites must be met to ensure optimum adhesion: The joint width should preferably be 10 – 15 mm and joint depth should be limited to approximately 8 – 10 mm by backfilling material.

Prior to sealing, the sides of the joints must be thoroughly cleaned of loose and dusty particles, residual mortar and contamination from oily or greasy substances. The sides of the joints must also be dry because a film of moisture on the surface will act like a release agent. The joint edges should be masked. Mineral, absorbent joint sides should be treated with OTTO Primer 1218, applied undiluted to the sides, using a paintbrush. After airing the primer and injecting OTTOSEAL® S18, the sealant must be smoothed within approx. 6 minutes before a skin starts to form, using a tool moistened with OTTO smoothing agent.

Ideally, the pool should not be (re)filled until two weeks after the joints have been sealed with OTTOSEAL® S18.

After the sealant has cured completely and the pool is filled with water for the first time it should be chlorinated immediately with a 2 mg/l intermittent chlorination during the first 2 days. During this time the pH value should be adjusted to between 7.0 and 7.2 to achieve the highest possible effect of the disinfectant. For operation thereafter the concentration of free chlorine should be 0.3 – 0.6 mg/ litre (warm water whirlpool 0.7 –1.0 mg/litre) and the pH value between 6.5 and 7.6 (ideally 7.0 –7.2). The water circulation should be adjusted so that the water constantly runs over the overflow edge of the pool. Alternative methods, such as UV radiation or ozonisation do not have sufficient sustained-release-effect to prevent a fungus attack.



The colour **adria blue** is on stock in OTTOSEAL® S70/S140. A wide OTTOSEAL® S70/S140 colour range is available for natural stone applications in permanently wet areas.

\$25

OTTOSEAL® S25

The acetate high-temperature silicone



Characteristics

- 1-component acetate-curing silicone sealant
- Extraordinary high temperature resistance up to +300°C
- High adhesive power



Fields of application

- High temperature resistant and still elastic bonding and sealing, e.g. for cast member heating boilers, exhaust boxes, tile stoves etc
- Also suitable for applications in automotive areas for engines and gearboxes

Standards and tests

- UL 94 Flame Classification HB, RTI 105°C, File No. E 176319
- Suitable for applications according to IVD Instruction sheet no. 31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge
red-brown	S25-04-C65
Packaging unit	20/Box
Pieces per pallet	1,200



Additional useful information

The difference between the two high temperature silicones, OTTOSEAL® S17 and OTTOSEAL® S25, lies in the manner of curing:

OTTOSEAL® S17 is a neutrally curing sealant based on oxime; OTTOSEAL® S25 is an acetate curing sealant.

The very fast curing and high adhesive power of OTTOSEAL® S25 complement its extraordinarily high longterm temperature resistance of up to +300°C. Please note that the silicone can be processed at temperatures between +5°C and +40°C. The thicker the coating, the longer the silicone takes to vulcanize. For applications with coatings thicker than 15 mm please contact our technical department.





OTTOSEAL® S27

The silicone for food and drinking water



Characteristics

- 1-component acetate-curing silicone sealant
- Tested for applications in the food and drinking water sector
- Good chemical resistance, e.g. to diluted acids and bases
- High resistance to notches, tension and tearing
- Excellent weathering, ageing and UV-resistance

Fields of application

- Sealing in the food sector, e.g. in dairies, abattoirs, beverage and food production plants, canteen kitchens etc.
- Sealing in the drinking water area between ceramic coatings



- Declaration of no objection tested for short-term contact with food (ISEGA Forschungsund Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- Positively tested for compatibility when in contact with food (by the Chemical Laboratory Dr. Stegemann, Georgsmarienhütte, Germany)
- Tested and licensed according to the KTW guidelines of the Federal German Environment Agency for the cold water area (elastic jointing between ceramic tiles)
- Tested and licensed according to the DVGW worksheet W 270 (elastic jointing between ceramic tiles)
- Suitable for applications according to IVD Instruction sheet no. 21+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310ml Cartridge
RAL 7004	S27-04-C7004
grey	S27-04-C02
transparent	S27-04-C00
white	S27-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200

OTTOSEAL® S28

The aquarium and glass block silicone



Characteristics

- 1-component acetate-curing silicone sealant
- Excellent weathering, ageing and UV-resistance
- Offers the highest possible safety standard for highly sensitive life forms
- High adhesive power



Fields of application

- Manufacture of all-glass aquariums and terrariums
- Bonding of glass blocks

- According to DIN 32622, pt. 4.4.2.2 (Glass Aquaria)
- Non-toxic for fish according to OECD 203 (Acute Toxicity Test – tested by the Institute Fresenius, 65232 Taunusstein, Germany)
- Suitable for applications according to IVD Instruction sheet no. 35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	400ml Alum. Foil Bag	201 Pail	2001 Drum
black	S28-04-C04	S28-07-C04	on request	on request
transparent	S28-04-C00	S28-07-C00	on request	on request
Packaging unit	20/Box	20/Box	1	1
Pieces per pallet	1,200	900	16	2





OTTOSEAL® S34

The floor joint silicone









Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Very high mechanical strength, resistance to notches, tension and tearing
- Excellent chemical resistance
- Extraordinary long-term temperature resistance up to +265°C
- Excellent weathering, ageing and UV-resistance
- Non-corrosive
- For areas, which are loaded by traffic,
 e. g. fork-lift truck traffic (considering
 IVD Instruction sheet no. 1) (IVD = German industry association sealants)
- Resistant to stream-jet cleaning

Fields of application

- Sealing of chemically heavily loaded floor and connecting joints, e.g. in dairies, abattoirs, beverage and food production plants, canteen kitchens, etc.
- Sealing of floor joints subject to high mechanical stress, e.g. in storage and production halls, yard areas, parking decks, underground car parks, workshops, car washes etc.

Standards and tests

- Tested according to EN 15651 Part 4: PW EXT-INT 25 LM
- Declaration of no objection tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- Suitable for applications according to IVD Instruction sheet no. 1+19-1+21+31+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+

Colour	310 ml Cartridge	400ml Alum. Foil Bag
anthracite	S34-04-C67	on request
sanitary grey	S34-04-C18	S34-07-C18
dust grey	S34-04-C89	on request
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	900



Additional useful information

Correct execution of floor joints depends both on correct dimensioning and on the use of a suitable sealant. Dimensioning results from the distance between joints, mechanical load and the thermal linear expansion of the building materials.

In accordance with IVD leaflet no. 1, the following dimensions apply for joints indoors and outdoors to sealants with a permitted total distortion of 25%:

Distance between joints	Width of joints in indoor areas	Depth of joints in indoor areas
2.0 m	10 mm	10 mm
4.0 m	10 mm	10 mm
6.0 m	10 mm	10 mm

Distance between joints	Width of joints in outdoor areas	Depth of joints in outdoor areas
2.0 m	10 mm	10 mm
4.0 m	15 mm	10 mm
6.0 m	20 mm	15 mm

The joint width should be at least 10 mm. The thickness of the sealant should be limited to a maximum of 15 mm by backfilling the joints. Floor joints wider than 15 mm, which are walked and driven over, should be covered with protective boards resp. be protected against mechanical damage to the sealant.

The extremely high resistance to chemicals of OTTOSEAL® S34, its very high notch-impact and tear toughness and its resistance to mechanical high pressure cleaning also contribute to its suitability for joints that are subject to a high degree of mechanical stress.

OTTOSEAL® S 50

The crystal-clear silicone



Characteristics

- Acetate-curing 1-component silicone
- Cures to a crystal-clear silicone
- Excellent weathering, ageing and UV-resistance



Fields of application

- Applications on glass, plastics, aluminium, e.g. for glass ornaments, the bonding of lattices
- Glass construction, vitrines and shop windows
- Small area bonding

- Suitable for applications according to IVD Instruction sheet no. 30+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+



Colour	310 ml Cartridge
crystal clear	S50-04-C30
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOSEAL® S51

The silicone for PVC, rubber and linoleum floors



Characteristics

- 1-component silicone sealant based on a modified amine oxime system, MEKO-free
- Excellent weathering, ageing and UV-resistance
- Colour-matched with PVC, rubber and linoleum floor coverings
- Flame resistant



Fields of application

- Joints in rubber floor
- Joints in linoleum floors
- Joints in PVC floors
- Equalizing sealing of similar and dissimilar working materials such as glass, stainless steel, aluminium and some plastics



- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 4: PW EXT-INT CC 25 LM
- Tested according to DIN 4102-B1 hardly inflammable between solid mineral building materials (wood research at the Munich Technical University)
- Tested according to DIN EN ISO 4589-2:1999
 Plastics Definition of the fire-behaviour due to the oxygen index (Bodycote Warringtonfire)
- Tested for applications in the cleanroom sector by the Institute for Hygiene Gelsenkirchen, Germany
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- Suitable for applications according to IVD Instruction sheet no. 11+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310ml Cartridge
agate grey	S51-04-C62
anthracite	S51-04-C67
aqua	S51-04-C1042
bahamabeige	S51-04-C10
pale brown	S51-04-C1062
blue grey	S51-04-C1671
brown	S51-04-C05
brown-red	S51-04-C1063
brilliant blue	S51-04-C958
blackberry	S51-04-C7703
crema	S51-04-C1657
cream beige	S51-04-C1043
cream-white	S51-04-C7184
thistle-grey	S51-04-C81
doussie, pear tree	S51-04-C85
dark brown	S51-04-C49
fair oak	S51-04-C64
rustic oak	S51-04-C98
flash grey	S51-04-C787
pine	S51-04-C5128
cherry	S51-04-C17
clay	S51-04-C1053
lime green	S51-04-C7699
melon	S51-04-C1044
orangina	S51-04-C1129
oxide-red	S51-04-C1131
pastel blue	S51-04-C982
pastel yellow	S51-04-C1056
pastel green	S51-04-C1008
patina green	S51-04-C1112
pearl-grey	S51-04-C1662
petrol	S51-04-C1039
pure white	S51-04-C1646
saffron yellow	S51-04-C1049
sahara	S51-04-C103
sandstone grey	S51-04-C979
black	S51-04-C04
signal white	S51-04-C1651
stone grey	S51-04-C79
blue-grey	S51-04-C964
taupe	S51-04-C1667
Packaging unit	20/Box
Pieces per pallet	1,200

Colour	310 ml Cartridge
deep sea blue	S51-04-C983
titan grey	S51-04-C1172
tomato	S51-04-C1066
transparent	S51-04-C00
violet	S51-04-C1116
white	S51-04-C01
cloud grey	S51-04-C1670
Packaging unit	20/Box
Pieces per pallet	1,200





OTTOSEAL® S54

The special silicone B1



Characteristics

- 1-component silicone sealant based on a modified amine oxime system, MEKO-free
- Flame resistant
- Excellent weathering, ageing and UV-resistance



Fields of application

- Joints in melted asphalt screeds
- Bonding of EPDM and APTK profiles
- Bonding of jointing tapes based on polysulphide
- Equalizing sealing of similar and dissimilar working materials such as glass, stainless steel, aluminium and some plastics
- Sealing of joints on difficult adhesive substrates, e.g. asphalt, tar etc. Please contact our technical service department for details.



- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 4: PW EXT-INT CC 25 LM
- Tested according to DIN 4102-B1 hardly inflammable between solid mineral building materials (wood research at the Munich Technical University)
- Tested according to DIN EN ISO 4589-2:1999
 Plastics Definition of the fire-behaviour due to the oxygen index (Bodycote Warringtonfire)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- Suitable for applications according to IVD Instruction sheet no. 11+31+35
 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310ml Cartridge
grey	S54-04-C02
black	S54-04-C04
white	S54-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200

OTTOSEAL® S 68

The neutral silicone for clean rooms and room ventilation systems



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Non-corrosive
- Excellent weathering, ageing and UV-resistance
- Contains fungicides



Fields of application

- Elastic joints in cleanrooms and production areas with strict requirements to hygiene,
 e.g. electronic sector – chip production
- Production rooms for medicines and other medical products
- Sealing of ventilation systems



- Tested for applications in the cleanroom sector by the Institute for Hygiene Gelsenkirchen, Germany
- Suitable for use in HVAC systems in accordance with VDI 6022, sheet 1, tested in accordance with DIN EN ISO 846, procedures A, B and C (Institute for hygiene, Berlin)
- Suitable for applications according to IVD Instruction sheet no. 31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	580 ml Alum. Foil Bag
RAL 7035	S68-04-C7035	S68-08-C7035
RAL 9001	S68-04-C9001	S68-08-C9001
RAL 9002	S68-04-C9002	S68-08-C9002
RAL 9007	S68-04-C9007	S68-08-C9007
RAL 9010	S68-04-C9010	S68-08-C9010
RAL 9016	S68-04-C9016	S68-08-C9016
stainless steel	S68-04-C197	S68-08-C197
grey	S68-04-C02	S68-08-C02
manhattan	S68-04-C43	on request
transparent	S68-04-C00	S68-08-C00
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600



OTTOSEAL® S 69

The acetate silicone for clean rooms and room ventilation systems



Characteristics

- 1-component acetate-curing silicone sealant
- Good chemical resistance (e.g. to cleaning agents and disinfectants)
- Excellent weathering, ageing and UV-resistance
- High resistance to notches, tension and tearing



Fields of application

- Hospitals, food processing factories
- Elastic joints in cleanrooms and other medical rooms with strict requirements to hygiene and frequent use of cleaning agents and disinfectants, e.g. operating theatres, medical examination rooms, medical laboratories
- Sealing of ventilation systems made of non-corrosive materials



Standards and tests

- Tested for applications in the cleanroom sector by the Institute for Hygiene Gelsenkirchen, Germany
- Tested for compatibility when in contact with food (by the Chemical Laboratory Dr. Stegemann, Georgsmarienhütte, Germany)
- Suitable for use in room ventilation systems according to VDI 6022 (Ass. Of Germ. Engineers), sheet 1 tested according to DIN EN ISO 846 (by the Institute for Hygiene Berlin, Germany)
- Suitable for applications according to IVD Instruction sheet no. 21+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	580ml Alum. Foil Bag
RAL 9001	S69-04-C9001	S69-08-C9001
RAL 9002	S69-04-C9002	S69-08-C9002
RAL 9010	S69-04-C9010	S69-08-C9010
stainless steel	S69-04-C197	S69-08-C197
transparent	S69-04-C00	S69-08-C00
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600



Additional useful information

Test of resistance of OTTOSEAL® S69 to cleaning agents and disinfectants:		
Pursept-FD 3 % solution (Merz)	resistant	
Bacillocid rasant 3 % solution (Bode)	resistant	
Biguanid Fläche/surface 3 % solution (Dr. Schumacher)	resistant	
Baccalin 3 % solution (Bode)	resistant	
Terralin 3 % solution (S+M)	resistant	
Incidin perfekt 3 % solution (Ecolab)	resistant	
Kohrsolin 3 % solution (Bode)	resistant	
Perform 3 % solution (S+M)	resistant	
Dismozon pur 3 % solution (Bode)	resistant	

The test have been carried out at room temperature.



OTTOSEAL® S70

The premium natural stone silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Guarantee does not cause any migratory staining on natural stone
- High resistance to notches, tension and tearing
- Excellent weathering, ageing and UV-resistance
- Non-corrosive
- Contains fungicides
- Also in "structure" colours with a stonelike surface
- Also available in "matt-finished" colours
- The right way to smooth matt colours see the application tips in the technical data sheet.
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.5 N/mm²



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Fields of application

- Sealing and jointing on marble and all natural stones, e.g. sandstone, quartzite, granite, gneiss, porphyry etc. in interior and exterior areas
- Sealing of expansion joints in the area of floors, walls and facades
- Movement-compensating bonding of natural stone on metal, e.g. stairs on a metal construction
- Sealing and jointing of marble/natural stone swimming pools, also underwater joints
- Sealing of lacquered and enamelled glass
- For the external sealing of mirrors in connection with natural stone
- Joint filling materials between ceramic slabs and natural stone used outside with the slab bearings by TERRA LEVEL

Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT 25 LM/ F EXT-INT CC 20 LM
- Tested according to EN 15651 Part 3: XS 1
- Tested according to EN 15651 Part 4: PW EXT-INT 25 LM (1)
- Tested according to ISO 16938-1 of SKZ Würzburg (Testing for migratory staining of sealants on natural stone)
- Tested according to ASTM C 1248 by DL Laboratories, New York (Testing for migratory staining of sealants on natural stone)
- Suitable for applications according to IVD Instruction sheet no. 1+3-1+3-2+9+14+23+25+27+30+31+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS R very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet
- *1) Applies only to the matt shades of OTTOSEAL® S70 all other shades comply with PW INT 12.5 E



OTTO product tip

OTTO Marble Silicone Smoothing Agent OTTO StainEx OTTO Colour folder OTTOSEAL® S 70 & S 100

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Colour	310 ml Cartridge	400 ml Alum. Foil Bag
adria blue	S70-04-C990	on request
anthracite	S70-04-C67	S70-07-C67
anthracite grey	S70-04-C137	on request
bahamabeige	S70-04-C10	S70-07-C10
concrete grey	S70-04-C56	S70-07-C56
brown	S70-04-C05	on request
chinchilla	S70-04-C45	on request
thistle-grey structure	S70-04-C111	on request
ark green	S70-04-C37	on request
stainless steel	S70-04-C197	on request
flash grey	S70-04-C787	on request
joint-grey	S70-04-C71	on request
joint-grey structure	S70-04-C110	on request
galaxy	S70-04-C4720	on request
graphite black	S70-04-C1391	on request
grey-blue structure	S70-04-C47	on request
grey-red structure	S70-04-C41	on request
fair blue structure	S70-04-C44	on request
fair-grey structure	S70-04-C109	on request
autumn-grey	S70-04-C1108	on request
jasmin	S70-04-C08	on request
labrador blue	S70-04-C1390	on request
light-grey	S70-04-C38	on request
manhattan	S70-04-C43	S70-07-C43
matt anthracite	S70-04-C1300	on request
matt anthracite grey	S70-04-C6116	on request
matt bahamabeige	S70-04-C6115	on request
matt concrete grey	S70-04-C6113	on request
matt jasmin	S70-04-C6117	on request
matt manhattan	S70-04-C1282	on request
matt sanitary grey	S70-04-C6111	on request
matt black	S70-04-C6114	on request
matt white	S70-04-C6112	on request
night-grey	S70-04-C1109	on request
fog	S70-04-C230	on request
pergamon	S70-04-C84	on request
pearl-grey	S70-04-C80	S70-07-C80
red-beige	S70-04-C82	on request
sand-red structure	S70-04-C32	on request
sandstone-beige	S70-04-C1110	on request
sanitary grey	S70-04-C18	S70-07-C18
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	900

Colour	310 ml Cartridge	400 ml Alum. Foil Bag
black	S70-04-C04	on request
silver-green structure	S70-04-C34	on request
sunset	S70-04-C26	on request
transparent	S70-04-C00	S70-07-C00
white	S70-04-C01	S70-07-C01
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	900



OTTOSEAL® S72

The Plexiglas® and plastics silicone



Characteristics

- Neutral curing 1-component silicone adhesive/sealant based on alkoxy
- Adheres on almost all plastics without primer (except PR, PP, PTFE and similar plastics with a low surface tension)
- Very good adhesion on twin-wall sheets
- Does not cause stress cracks in nonprestressed acrylic glass (Plexiglas®) and polycarbonate (Makrolon®, Lexan®)
- High resistance to notches, tension and tearing
- Non-corrosive
- Excellent weathering, ageing and **UV-resistance**



Plexiglas® and plastics silicone

Fields of application

 Bonding and sealing in plastic, greenhouse and conservatory construction



- The manufacturer has tested and confirmed the compatibility to strainless Plexiglas®. Test report on the compatibility with plexiglas®-XT is available.
- Positively tested for compatibility when in contact with food (by the Chemical Laboratory Dr. Stegemann, Georgsmarienhütte, Germany)
- Declaration of no objection tested for use in food-related area (ISEGA Forschungsund Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- Suitable for applications according to IVD Instruction sheet no. 21+31+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+
- EMICODE® EC1 PLUS R very low emission

Colour	310 ml Cartridge
RAL 7004	S72-04-C7004
RAL 9010	S72-04-C9010
transparent	S72-04-C00
Packaging unit	20/Box
Pieces per pallet	1,200





OTTOSEAL® S80

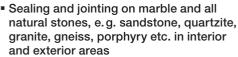
The premium alkoxy natural stone silicone



Characteristics

- Neutral-curing 1-component silicone sealant based on alkoxy
- Guarantee does not cause any migratory staining on natural stone
- Contains fungicides
- Excellent weathering, ageing and UV-resistance
- Low odour
- Also in "structure" colours with a stonelike surface
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.4 N/mm²







- Sealing of expansion joints in wall and façade areas
- Expansion joints in bathroom areas
- Movement-compensating bonding of natural stone on metal, e.g. stairs on a metal construction



- Sealing of lacquered and enamelled glass
- For the external sealing of mirrors in connection with natural stone
- Joint filling materials between ceramic slabs and natural stone used outside with the slab bearings by TERRA LEVEL

Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT 20 LM
- Tested according to EN 15651 Part 3: XS 1
- Tested according to ISO 16938-1 of SKZ Würzburg (Testing for migratory staining of sealants on natural stone)
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+9+14+23+25+27 +30+31+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS R very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet

Colour	310 ml Cartridge
anthracite	S80-04-C67
anthracite grey	S80-04-C137
bahamabeige	S80-04-C10
concrete grey	S80-04-C56
thistle-grey structure	S80-04-C111
stainless steel	S80-04-C197
jasmin	S80-04-C08
light-grey	S80-04-C38
manhattan	S80-04-C43
night-grey	S80-04-C1109
sanitary grey	S80-04-C18
black	S80-04-C04
transparent	S80-04-C00
white	S80-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200



OTTO product tip

OTTO Marble Silicone Smoothing Agent OTTO StainEx

p. 155p. 162



OTTOSEAL® S94

The neutral fire protection silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Hardly inflammable according to DIN 4102-B1
- Good compatibility with paints according to DIN 52452 (not paintable)
- Non-corrosive
- Excellent weathering, ageing and UV-resistance
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.4 N/mm²



- Sealing of structural components, that require an increased fire performance requirements (e. g. fireresistant building components and fire-resistant glazing)
- Suitable for sealing glazing units



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- Tested according to EN 15651 Part 4: PW INT 12.5 E
- Tested according to DIN 4102-B1 hardly inflammable between solid mineral building materials (wood research at the Munich Technical University)
- Tested according to DIN 25415, part 1 very good decontamination properties of the sealant surface (German Materials Research and Testing Agency, 12200 Berlin, Germany)
- Suitable for applications according to
 IVD Instruction sheet no. 9+11+20+24+27+29+31
 +35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+

Colour	310ml Cartridge
grey	S94-04-C02
black	S94-04-C04
transparent	S94-04-C00
white	S94-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200



Additional useful information

Building material classes identify the fire performance of the individual building material and is not identical to the fire resistance classes, which identify the fire resistance of the complete component.

In addition to the building material classes according to DIN 4102, there exist also european classes according to DIN EN 13501. Currently, tests and evaluations of sealants have to be carried out according to DIN 4102. Please find the classes opposed in the following table (Source: IVD-instruction sheet no. 11).

Designation	Additional requirement: no smoke	Additional require- ment: no burning drop-out/dripping	European class according to DIN EN 13501-1	Classification according to DIN 4102-1
Non-	Х	Х	A1	A1
Combustible	Х	Х	A2-s1 d0	A2
Flameresistant	Х	Х	B,C-s1 d0	
		Х	B,C-s3 d0] - B1
	Х		B,C-s1 d2	DI
			B,C-s3 d2	
Normally		Х	D-s3 d0	
flammable			Е	
			D-s3 d2	- B2
			E-d2	
Highly flammable			F	B3

The classes s1, s2 and s3 are additional requirements according to DIN EN 13501 – formation of smoke. The classes d0, d1 and d2 are additional requirements according to DIN EN 13501 – burning drop-out/dripping. The tests are carried out according to DIN EN 13823.

Currently, for tests according to DIN EN 13501 only exist test standards for holoheteral sealings and no test standards for sealants and sealing tapes.



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S100

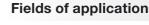
OTTOSEAL® S 100

The premium bathroom silicone



Characteristics

- 1-component acetate-curing silicone sealant
- Excellent weathering, ageing and UV-resistance
- Contains fungicide and bacteriostatic
- Unique processing characteristics
- Surface can be smoothed very easily
- Very good adhesion on ceramic substrates
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.3 N/mm²



- Expansion joints in bathroom areas
- Sealing of expansion joints in floor and wall areas
- Sealing and bonding of glass modules
- Sealing double-glazings (e.g. "Profilit")



Sanitairsilicone

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- Tested according to EN 15651 Part 3: XS 1
- Tested according to EN 15651 Part 4: PW INT 12.5 E
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+14+31+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS very low emission
- For conformity with DGNB and LEED[®], see the sustainability data sheet

Colour	300ml Cartridge	400 ml Alum. Foil Bag	580ml Alum. Foil Bag
agate grey	S100-03-C62	on request	on request
old grey	S100-03-C1170	on request	on request
old white	S100-03-C51	on request	on request
alu	S100-03-C14	on request	on request
anemone	S100-03-C22	on request	on request
anthracite	S100-03-C67	on request	on request
asphalt grey	S100-03-C808	on request	on request
bahamabeige	S100-03-C10	on request	on request
bali	S100-03-C21	on request	on request
basalt	S100-03-C1105	on request	on request
bermuda	S100-03-C25	on request	on request
concrete grey	S100-03-C56	S100-07-C56	on request
pale grey	S100-03-C86	on request	on request
brown	S100-03-C05	on request	on request
caramel	S100-03-C09	on request	on request
chinchilla	S100-03-C45	on request	on request
cottojoint	S100-03-C75	on request	on request
crocus	S100-03-C24	on request	on request
crocus-blue	S100-03-C753	on request	on request
curry	S100-03-C19	on request	on request
thistle-grey	S100-03-C81	on request	on request
bowe	S100-03-C6777	on request	on request
fiery red	S100-03-C35	on request	on request
flannel grey	S100-03-C72	S100-07-C72	on request
flash grey	S100-03-C787	S100-07-C787	on request
joint-grey	S100-03-C71	S100-07-C71	on request
joint white	S100-03-C69	on request	on request
grey	S100-03-C02	S100-07-C02	on request
grey 15	S100-03-C776	on request	on request
grey-red	S100-03-C1010	on request	on request
grey-white	S100-03-C70	S100-07-C70	on request
fair-graphite	S100-03-C1168	on request	on request
fair grey no. 21	S100-03-C501	on request	on request
intense brown	S100-03-C7117	on request	on request
jasmin	S100-03-C08	on request	on request
chestnut	S100-03-C1082	on request	on request
light-grey	S100-03-C38	on request	on request
magnolia	S100-03-C23	on request	on request
almond-brown	S100-03-C1104	on request	on request
manhattan	S100-03-C43	S100-07-C43	on request
melba	S100-03-C1169	on request	on request
Packaging unit	20/Box	20/Box	20/Box
Pieces per pallet	1,200	900	600



®	sealants	1	

Colour	300 ml Cartridge	400 ml Alum. Foil Bag	580 ml Alum. Foil Bag
mint	S100-03-C40	on request	on request
middle-brown	S100-03-C15	on request	on request
moosgreen	S100-03-C11	on request	on request
morning-grey	S100-03-C961	on request	on request
natural	S100-03-C55	on request	on request
fog	S100-03-C230	S100-07-C230	on request
pastel beige	S100-03-C74	on request	on request
pergamon	S100-03-C84	on request	on request
platinum grey	S100-03-C52	on request	on request
deer-brown	S100-03-C07	on request	on request
red-beige	S100-03-C82	on request	on request
red-brown	S100-03-C7116	on request	on request
ruby	S100-03-C59	on request	on request
sahara	S100-03-C103	on request	on request
velvet black	S100-03-C5176	on request	on request
sand-beige	S100-03-C6672	on request	on request
sand grey 18	S100-03-C2044	on request	on request
sanitary grey	S100-03-C18	S100-07-C18	S100-08-C18
snow-white	S100-03-C116	on request	on request
black	S100-03-C04	on request	on request
silk	S100-03-C6778	on request	on request
silk grey	S100-03-C77	S100-07-C77	on request
silver-grey	S100-03-C94	S100-07-C94	S100-08-C94
silver-grey no. 17	S100-03-C910	on request	on request
silver effect	S100-03-C510	on request	on request
sorrentoblue	S100-03-C42	on request	on request
stone grey	S100-03-C79	on request	on request
stella	S100-03-C27	on request	on request
beach-beige	S100-03-C1106	on request	on request
sunset	S100-03-C26	on request	on request
tobacco brown	S100-03-C1167	on request	on request
titan grey	S100-03-C1172	on request	on request
transparent	S100-03-C00	on request	on request
umbra	S100-03-C60	on request	on request
vanilla-beige	S100-03-C1107	on request	on request
volcano sand	S100-03-C6776	on request	on request
white	S100-03-C01	S100-07-C01	on request
whisperblue	S100-03-C92	on request	on request
cement-grey no. 31	S100-03-C706	on request	on request
aegean	S100-03-C91	on request	on request
aegean blue	S100-03-C695	on request	on request
Packaging unit	20/Box	20/Box	20/Box
Pieces per pallet	1,200	900	600



OTTO product tip

OTTO Colour folder OTTOSEAL® S70 & S100

p. 219





310 ml

S 105

400 ml

OTTOSEAL® S 105

The alternative bathroom silicone

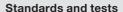


Characteristics

- 1-component acetate-curing silicone sealant
- Excellent weathering, ageing and UV-resistance
- Contains fungicides
- Very good adhesion on ceramic substrates
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.3 N/mm²

Fields of application

- Expansion joints in bathroom areas
- Sealing double-glazings (e.g. "Profilit")



- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- Tested according to EN 15651 Part 3: XS 1
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+14+31+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS very low emission

Colour	Cartridge	Alum. Foil Bag
agate grey	S105-04-C62	on request
anthracite	S105-04-C67	on request
bahamabeige	S105-04-C10	S105-07-C10
basalt	S105-04-C1105	on request
pale grey	S105-04-C86	S105-07-C86
brown	S105-04-C05	on request
caramel	S105-04-C09	on request
flannel grey	S105-04-C72	S105-07-C72
flash grey	S105-04-C787	S105-07-C787
joint-grey	S105-04-C71	S105-07-C71
grey	S105-04-C02	S105-07-C02
grey 15	S105-04-C776	on request
grey-white	S105-04-C70	S105-07-C70
fair-graphite	S105-04-C1168	on request
fair grey no. 21	S105-04-C501	on request
jasmin	S105-04-C08	S105-07-C08
light-grey	S105-04-C656	on request
manhattan	S105-04-C43	S105-07-C43
middle-brown	S105-04-C15	on request
fog	S105-04-C230	S105-07-C230
pergamon	S105-04-C84	on request
platinum grey	S105-04-C52	on request
sand grey 18	S105-04-C2044	on request
sanitary grey	S105-04-C18	S105-07-C18
snow-white	S105-04-C116	on request
black	S105-04-C04	on request
silk grey	S105-04-C77	S105-07-C77
silver-grey	S105-04-C94	S105-07-C94
silver-grey no. 17	S105-04-C910	on request
stone grey	S105-04-C79	on request
beach-beige	S105-04-C1106	on request
transparent	S105-04-C00	S105-07-C00
white	S105-04-C01	S105-07-C01
cloud grey	S105-04-C387	on request
cement-grey no. 31	S105-04-C706	on request
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	900







OTTOSEAL® S 110

The premium neutral silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Excellent weathering, ageing and UV-resistance
- Excellent early resistance to stress
- Highly abrasion-resistant and non-streaky
- Good compatibility with paints according to DIN 52452 (not paintable)
- Tack-free surface
- Excellent adhesion on many substrates, partly in combination with primer
- Non-corrosive
- Contains fungicides
- Compatible with PVB-foils according to the criteria of the ift-guideline DI-02/1
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.4 N/mm²





- Window pane sealing on wooden windows
- Sealing of joints on windows and doors made of wood, metal and plastic
- Sealing double-glazings (e.g. "Profilit")
- Expansion joints on prefabricated concrete and cellular concrete units
- Sealing of joints on façades, metal constructions
- Suitable for sealing glazing units
- Expansion joints in bathroom areas

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- Tested according to EN 15651 Part 3: XS 1
- Tested according to EN 15651 Part 4: PW INT 12.5 E
- Tested according to DIN 18545, stress group E (institute for window techniques)
- According to the requirements of DIN 18540-F
- According to the requirements of ISO 11600 G 25 LM
- Tested according to FCBA (CTBA) L 114 (suitability of sealants for window pane sealing on wooden windows)
- Declaration of no objection tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+7+9+10+13+14+19-1+20+22+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS R very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet



Colour	310 ml Cartridge	400 ml Alum. Foil Bag	580 ml Alum. Foil Bag
RAL 6005	S110-04-C6005	on request	on request
RAL 6009	S110-04-C6009	on request	on request
RAL 9001	S110-04-C9001	S110-07-C9001	on request
RAL 9016	S110-04-C9016	on request	on request
anthracite	S110-04-C155	S110-07-C155	S110-08-C155
concrete grey	S110-04-C56	on request	S110-08-C56
brown	S110-04-C05	S110-07-C05	S110-08-C05
bronze	S110-04-C13	on request	on request
beech	S110-04-C76	on request	on request
dark brown	S110-04-C49	on request	on request
ark grey	S110-04-C03	on request	S110-08-C03
oak	S110-04-C57	on request	S110-08-C57
dark oak	S110-04-C83	on request	S110-08-C83
fair oak	S110-04-C64	on request	on request
fair brown	S110-04-C06	on request	S110-08-C06
fair grey	S110-04-C20	S110-07-C20	S110-08-C20
jasmin	S110-04-C1216	on request	on request
chestnut	S110-04-C742	on request	S110-08-C742
pine	S110-04-C88	on request	on request
mahogany	S110-04-C29	on request	S110-08-C29
manhattan	S110-04-C43	S110-07-C43	S110-08-C43
matt brown	S110-04-C1416	on request	S110-08-C1416
ochre	S110-04-C31	on request	S110-08-C31
pergamon	S110-04-C84	on request	on request
sand-beige	S110-04-C12	on request	on request
sanitary grey	S110-04-C18	S110-07-C18	S110-08-C18
snow-white	S110-04-C116	S110-07-C116	on request
chocolate brown	S110-04-C39	on request	S110-08-C39
black	S110-04-C04	S110-07-C04	S110-08-C04
silk grey	S110-04-C77	S110-07-C77	S110-08-C77
silver-grey	S110-04-C94	S110-07-C94	on request
transparent	S110-04-C00	S110-07-C00	S110-08-C00
transparent-grey	S110-04-C284	on request	on request
white	S110-04-C01	S110-07-C01	S110-08-C01
Packaging unit	20/Box	20/Box	20/Box
Pieces per pallet	1,200	900	600

Colour	201 Pail
black	S110-23-C04
transparent	S110-23-C00
white	S110-23-C01
Packaging unit	1
Pieces per pallet	16



Additional useful information

The sealing of glass in wooden windows is subject to some important factors which are responsible for optimal sealing:

The excellent early resistance to stress is important to avoid cracks in the sealant. These can arise if, for example, the seal is formed in direct sunlight and at an increased temperature and thereafter the temperature drops drastically, forcing the sealant to follow the movements of the substrate, although it is not yet completely cured.

OTTOSEAL® S110 and OTTOSEAL® S120 develop a firm surface skin very quickly and can therefore follow the movements of the building after a very short time. Furthermore, it is extremely important that the sealant is compatible with the other building materials used for the wooden windows with which it comes into close contact with (e.g. lacquer paints/varnishes). These must not damage or modify the sealant (e.g. discolouring). Overpainting the sealant is not possible and, according to the relevant standards and guidelines, not even permitted for elastic jointing.

Abrasion resistance must meet the requirements of DIN 18545. OTTOSEAL® S 110 and OTTOSEAL® S 120 meet the requirements of sealant group E. After smoothing the sealant, residual smoothing agent must be removed immediately; otherwise streaks can remain.

Prior to cleaning it for the first time the sealant must cure for at least three days to prevent the seal from being damaged. The surface of the sealant should be cleaned with a moist soft cloth using normal, commercial window cleaning agents.



OTTOSEAL® S 112

Window bar filler



Characteristics

- 1-component silicone sealant based on alkoxy
- Good weathering and ageing resistance
- Good UV-resistance
- Good compatibility with paints according to DIN 52452 (not paintable)
- Low odour
- Non-corrosive
- Compatible with PVB-foils according to the criteria of the ift-guideline DI-02/1



Window bar filler Produit d'étanchéit de pare close

Fields of application

For sealing and back filling of frames and window bars on windows and doors – improves the leak tightness. The filling material has less adhesion in comparison to standard glazing sealants, so its easier to remove the window bars for repair works.



- Avoids accumulation of condensation through incoming warm air and thus protects against humidity affecting the edge sealing, which could lead to damages to the wooden window frame.
- For sealing on the window frame below the glass edge (position 4). Please avoid full surface contact with the isolation glass edge sealing in the rebate bond. Maximum 3 mm overlap is permissible.
- For compatibility to IG-edge sealing materials please see our recent compatibility list. The up-to-date list can be downloaded from our website www.otto-chemie.com.

Standards and tests

■ French VOC-emission class A+

Colour	310 ml Cartridge	580ml Alum. Foil Bag
transparent	S112-04-C00	S112-08-C00
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600

OTTOSEAL® S 113

The paintable silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Tack-free surface
- Excellent weathering, ageing and UV-resistance
- Paintable with many coating systems (preliminary tests necessary)
- Compatible with coatings according to DIN 52452
- Non-corrosive
- Contains fungicides





Überstreichbares Silicon

Fields of application

- Window pane sealing on wooden windows
- Sealing of joints on windows and doors made of wood, metal and plastic
- Expansion joints on prefabricated concrete and cellular concrete units
- Sealing of joints on façades, metal constructions



- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- Complies with the requirements of DIN 18545, stress group E
- According to the requirements of DIN 18540-F
- French VOC-emission class A+

Colour	310 ml Cartridge
RAL 9010	S113-04-C9010
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOSEAL® S 115

The neutral curing construction silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Good compatibility with paints according to DIN 52452 (not paintable)
- Non-corrosive
- Excellent weathering, ageing and UV-resistance
- Contains fungicides



- Sealing of joints on windows and doors made of wood, metal and plastic
- Expansion joints on prefabricated concrete and cellular concrete units
- Expansion joints in bathroom areas
- Sealing of joints on façades, metal constructions



- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 3: XS 1
- According to the requirements of DIN 18540-F
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+7+9+14 +19-1+20+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+

Colour	310 ml Cartridge	400 ml Alum. Foil Bag	580ml Alum. Foil Bag
alu	S115-04-C14	on request	on request
anthracite	S115-04-C67	on request	S115-08-C67
beige	S115-04-C16	on request	on request
concrete grey	S115-04-C56	on request	S115-08-C56
brown	S115-04-C05	on request	on request
grey	S115-04-C02	S115-07-C02	S115-08-C02
jasmin	S115-04-C08	on request	on request
manhattan	S115-04-C43	on request	S115-08-C43
sanitary grey	S115-04-C18	S115-07-C18	S115-08-C18
black	S115-04-C04	on request	S115-08-C04
silk grey	S115-04-C77	on request	S115-08-C77
silver-grey	S115-04-C94	on request	on request
transparent	S115-04-C00	S115-07-C00	S115-08-C00
white	S115-04-C01	S115-07-C01	S115-08-C01
Packaging unit	20/Box	20/Box	20/Box
Pieces per pallet	1.200	900	600

OTTOSEAL® S 117

The standard natural stone silicone



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Does not cause any migratory staining on natural stone
- Non-corrosive
- Contains fungicides
- Excellent weathering, ageing and UV-resistance

Fields of application

- Sealing and jointing on marble and all natural stones, e.g. sandstone, quartzite, granite, gneiss, porphyry etc. in interior and exterior areas
- Sealing of expansion joints in wall and façade areas



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT CC 20 LM
- Tested according to EN 15651 Part 3: XS 1
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+14+23+25 +27+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	400 ml Alum. Foil Bag
anthracite	S117-04-C67	S117-07-C67
bahamabeige	S117-04-C10	S117-07-C10
concrete grey	S117-04-C56	S117-07-C56
jasmin	S117-04-C08	on request
manhattan manhattan	S117-04-C43	S117-07-C43
pearl-grey	S117-04-C80	on request
sandstone-beige	S117-04-C1110	on request
sanitary grey	S117-04-C18	S117-07-C18
black	S117-04-C04	on request
transparent	S117-04-C00	on request
white	S117-04-C01	on request
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	900



OTTO product tip

OTTO Marble Silicone Smoothing Agent OTTO StainEx

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OTTOSEAL® S 120

The premium alkoxy window silicone



Characteristics

- Neutral-curing 1-component silicone sealant based on alkoxy
- Excellent weathering, ageing and UV-resistance
- Excellent early resistance to stress
- Highly abrasion-resistant and non-streaky
- Good compatibility with paints according to DIN 52452 (not paintable)
- Tack-free surface
- Low odour
- Non-corrosive
- Contains fungicides
- Compatible with PVB-foils according to the criteria of the ift-guideline DI-02/1
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.4 N/mm²
- Also available in "matt-finished" colours

Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 2: G CC 25 LM
- Tested according to EN 15651 Part 3: XS 1
- Tested according to EN 15651 Part 4: PW INT 12.5 E
- Tested according to DIN 18545, stress group E (institute for window techniques)
- According to the requirements of DIN 18540-F
- According to the requirements of ISO 11600 G 25 LM
- Suitable for applications according to IVD Instruction sheet no. 7+9+10+13+14+19-1+20+22+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS R very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet



Fields of application

- Window pane sealing on wooden windows
- Glass, window and metal construction
- Sealing double-glazings (e.g. "Profilit")
- Sealing of joints on windows and doors made of wood, metal and plastic
- Expansion joints on prefabricated concrete and cellular concrete units
- Sealing of joints on façades, metal constructions
- Suitable for sealing glazing units
- For the external sealing of mirrors in connection with materials such as ceramic, metal, glass etc.



Colour	310ml Cartridge	400 ml Alum. Foil Bag	580 ml Alum. Foil Baç
anthracite	S120-04-C155	on request	S120-08-C155
concrete grey	S120-04-C56	on request	on request
brown	S120-04-C05	on request	on request
bronze	S120-04-C13	on request	on request
beech	S120-04-C76	on request	on request
dark brown	S120-04-C49	on request	on request
dark grey	S120-04-C03	on request	on request
dark oak	S120-04-C83	on request	on request
fair oak	S120-04-C64	on request	on request
fair brown	S120-04-C06	on request	on request
fair grey	S120-04-C904	on request	on request
chestnut	S120-04-C742	on request	on request
manhattan	S120-04-C43	on request	S120-08-C43
matt anthracite	S120-04-C7103	S120-07-C7103	on request
matt concrete grey	S120-04-C7102	on request	on request
matt brown	S120-04-C1416	on request	on request
matt bronze	S120-04-C7109	on request	on request
matt beech	S120-04-C7111	on request	on request
matt dark brown	S120-04-C7107	on request	on request
matt dark grey	S120-04-C7113	on request	on request
matt dark oak	S120-04-C7104	on request	on request
matt fair oak	S120-04-C7105	on request	on request
matt fair brown	S120-04-C7094	on request	on request
matt fair grey	S120-04-C7101	on request	on request
matt chestnut	S120-04-C7114	on request	on request
matt manhattan	S120-04-C6874	on request	on request
matt ochre	S120-04-C7100	on request	on request
matt pergamum	S120-04-C7098	on request	on request
matt sanitary grey	S120-04-C6834	on request	on request
matt snow-white	S120-04-C6832	on request	on request
matt black	S120-04-C7112	on request	S120-08-C7112
matt silk grey	S120-04-C7110	on request	on request
matt silver-grey	S120-04-C6645	on request	on request
matt white	S120-04-C6919	on request	S120-08-C6919
sanitary grey	S120-04-C18	on request	S120-08-C18
snow-white	S120-04-C116	on request	on request
chocolate brown	S120-04-C110	on request	on request
black	S120-04-C04	S120-07-C04	S120-08-C04
silk grey	S120-04-C04 S120-04-C77	on request	on request
silver-grey	S120-04-077	on request	S120-08-C94
transparent	S120-04-C94 S120-04-C00	S120-07-C00	S120-08-C94
Packaging unit	20/Box		20/Box
ackaying unit	1,200	20/Box	2U/DUX

Colour	310ml Cartridge	400 ml Alum. Foil Bag	580 ml Alum. Foil Bag
transparent-grey	S120-04-C284	on request	on request
white	S120-04-C01	S120-07-C01	S120-08-C01
Packaging unit	20/Box	20/Box	20/Box
Pieces per pallet	1,200	900	600
Colour			201 Pail
black			S120-23-C04
transparent			S120-23-C00
Packaging unit			1
Pieces per pallet			16



OTTOSEAL® S 121

The low odour premium bathroom silicone



Characteristics

- Neutral-curing 1-component silicone sealant based on alkoxy
- Excellent processing characteristics
- Low odour
- Very good adhesion on ceramic substrates
- Contains fungicides
- Excellent weathering, ageing and UV-resistance
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.4 N/mm²

Fields of application

- Expansion joints in bathroom areas
- For the external sealing of mirrors in connection with materials such as ceramic, metal, glass etc.



- Tested according to EN 15651 Part 3: XS 1
- Tested according to EN 15651 Part 4: PW INT 12.5 E
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+14+31+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- EMICODE® EC1 PLUS R very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet

Colour	310ml Cartridge
anthracite	S121-04-C67
joint-grey	S121-04-C71
grey	S121-04-C02
fair jasmin	S121-04-C112
linsey grey	S121-04-C433
manhattan	S121-04-C43
snow-white	S121-04-C116
silver-grey	S121-04-C94
transparent	S121-04-C00
transparent-grey	S121-04-C284
white	S121-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOSEAL® S 125

The constructional alkoxy silicone



Characteristics

- Neutral-curing 1-component silicone sealant based on alkoxy
- Non-corrosive
- Good adhesion on ceramic substrates
- Contains fungicides
- Excellent weathering, ageing and UV-resistance

Fields of application

- Sealing of joints on windows and doors made of wood, metal and plastic
- Expansion joints in prefabricated concrete constructions
- Sealing of facades, parapet elements, roller blind housings and metal building constructions
- Expansion joints in bathroom areas
- For the external sealing of mirrors in connection with materials such as ceramic, metal, glass etc.



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to EN 15651 Part 3: XS 1
- Tested according to EN 15651 Part 4: PW INT 12.5 E
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+7+9+14 +19-1+20+24+25+27+29+31+32+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS R very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet

Colour	310 ml Cartridge	400 ml Alum. Foil Bag
RAL 7047	on request	S125-07-C7047
RAL 9001	S125-04-C9001	S125-07-C9001
alu	S125-04-C14	on request
anthracite	S125-04-C376	S125-07-C376
anthracite grey	S125-04-C137	S125-07-C137
concrete grey	S125-04-C6216	S125-07-C6216
joint white	S125-04-C69	on request
fair jasmin	S125-04-C112	S125-07-C112
linsey grey	S125-04-C433	S125-07-C433
manhattan	S125-04-C43	S125-07-C43
matt anthracite grey	S125-04-C6831	S125-07-C6831
matt-linsey grey	S125-04-C6835	S125-07-C6835
matt sanitary grey	S125-04-C6834	S125-07-C6834
matt snow-white	S125-04-C6832	S125-07-C6832
matt silver-grey	S125-04-C6645	S125-07-C6645
sanitary grey	S125-04-C18	S125-07-C18
snow-white	S125-04-C116	S125-07-C116
silver-grey	S125-04-C94	S125-07-C94
transparent	S125-04-C00	S125-07-C00
transparent-grey	S125-04-C284	S125-07-C284
white	S125-04-C01	S125-07-C01
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	900



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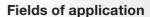
OTTOSEAL® S 130

The alkoxy bathroom silicone with ecologically harmless Fungitect® Silver Technology



Characteristics

- Neutral-curing 1-component silicone sealant based on alkoxy
- Does not cause any migratory staining on natural stone
- Mould protection safe for health and the environment thanks to the OTTO Fungitect® Silver Technology
- Observe the professional tips for the renovation of joints
- Excellent weathering, ageing and UV-resistance
- Low odour
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.4 N/mm²



- Sealing and jointing in bathroom area
- For jointing on ceramic tiles and natural stone



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT 20 LM
- Tested according to EN 15651 Part 3: XS 1
- Declaration of no objection tested for use in food-related area (ISEGA Forschungsund Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+14+21+23 +27+31+35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS R very low emission

Colour	310ml Cartridge
anthracite	S130-04-C67
bahamabeige	S130-04-C10
concrete grey	S130-04-C56
joint-grey	S130-04-C71
jasmin	S130-04-C08
manhattan	S130-04-C43
sanitary grey	S130-04-C18
snow-white	S130-04-C116
black	S130-04-C04
silver-grey	S130-04-C94
Packaging unit	20/Box
Pieces per pallet	1,200



OTTO product tip

OTTO Marble Silicone Smoothing Agent OTTO StainEx

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Additional useful information

Professional tips for the renovation of joints:

Please observe the useful additional information on page 89 for OTTOSEAL® S 140 in order to guarantee the professional joint renewal.



OTTOSEAL® S 140

The hotel and spa silicone with double protection against mould



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- Guarantee does not cause any migratory staining on natural stone
- Double protection against mould: highly-active fungicide plus innovative OTTO Fungitect® Silver Technology
- Observe the professional tips for the renovation of joints
- Excellent weathering, ageing and UV-resistance
- High notch strength
- Stress expansion modulus at 100 % (ISO 37, S3A): 0.4 N/mm²



Fields of application

- Special silicone for sealing and jointing in hygiene areas with high stress on the silicone joints, e.g. in wet rooms, in public shower and bathing areas, in swimming pool complexes/leisure centres, in stadiums, gymnasiums, hospitals, thermal baths, spa areas, hotel bathrooms, etc.
- For jointing on ceramic tiles and natural stone in constantly wet areas
- Sealing of swimming pools and -baths as well as elastic jointing on the pool edges
- Well suitable for floor joints



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT 25 LM/F EXT-INT CC 20 LM
- Tested according to EN 15651 Part 3: XS 1
- Tested according to EN 15651 Part 4: PW INT 12.5 E
- Suitable for applications according to IVD Instruction sheet no. 3-1+3-2+14+17+23+27+31 +35 (IVD = German industry association sealants)
- Quality seal of the IVD (Industrial association for sealants, registered society), tested by the ift Rosenheim (Institute of window engineering, registered society)
- According to regulation (EG) no. 1907/2006 (REACH)
- French VOC-emission class A+
- Declaration in "baubook" Austria
- EMICODE® EC1 PLUS R very low emission

Colour	310 ml Cartridge
adria blue	S140-04-C990
anthracite	S140-04-C67
grey	S140-04-C02
manhattan	S140-04-C43
sanitary grey	S140-04-C18
snow-white	S140-04-C116
silk grey	S140-04-C77
Packaging unit	20/Box
Pieces per pallet	1,200



OTTO product tip

OTTO Marble Silicone Smoothing Agent OTTO StainEx

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Additional useful information

Professional tips for the renovation of joints:

For a professional renovation of joints it is absolutely necessary to remove all of the sealant damaged by mould thoroughly. It is also important to remove any residue from the bottom and the sides of the joint. Having done this the joint has to be treated with an Anti-Mildew Spray to kill off any leftover fungus spores. Only now the joint can be filled again.

If these measures are not carried out accurately, the sealant, even though it is contains fungicides, can be infected by mould again shortly after because the spores are still in the joint.



OTTOSEAL® S730

The special silicone for window and door mounting OUTSIDE



Characteristics

- Neutral-curing 1-component silicone sealant, MEKO-free
- High vapour permeability
- Excellent weathering, ageing and UV-resistance
- Good compatibility with paints according to DIN 52452 (not paintable)
- Non-corrosive
- Contains fungicides



Fields of application

- For window and door mounting OUTSIDE
- Water permeable sealing of external joints between windows and construction parts resistant to driving rain to be used in combination with OTTOSEAL® A710 (for the interior application)



Standards and tests

- Tested according to EN 15651 Part 1: F EXT-INT CC 25 LM
- Tested according to "Air impermeability and driving rain resistance of joints between window and construction parts after simulated shortterm strain" by the ift Rosenheim, Germany (institute for window techniques)
- Suitable for applications according to IVD Instruction sheet no. 9+24+27+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	580 ml Alum. Foil Bag
grey	S730-04-C02	on request
black	S730-04-C04	on request
white	S730-04-C01	S730-08-C01
cement grey	S730-04-C706	on request
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600



OTTO product tip

OTTOSEAL® A710

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OTTOCOLL® TopFix

The ultrafast fixing adhesive





- 1-component acrylic mounting adhesive
- For indoors
- Paintable
- Solvent-free
- Low odour
- Extremely high initial adhesion and high final strength
- Store and transport frost-free



- Bonding of corrosion-resistant metals, e.g. aluminium, stainless steel, anodized aluminium
- Bonding of skirt boards made of wood & PVC
- Bonding of wood and derived wood products, e.g. panels, decorative strips and decorative profiles
- Bonding of stone, natural stone and ceramic
- Bonding of decorative and insulating boards, e.g. made of polystyrene
- Bonding of stucco and ceiling profiles
- Bonding of cable ducts made of PVC
- Bonding of mineral substrates, e.g.
- Bonding of gypsum plasterboards

- EMICODE® EC1 PLUS very low emission
- Suitable for applications according to IVD instruction sheet no. 30+31+35 (IVD = Germanindustry association sealants)
- French VOC-emission class A+
- For conformity with DGNB and LEED®, see the sustainability data sheet

Colour	310 ml Cartridge	201 Pail
oyster-white	A265-04-C194	on request
Packaging unit	20/Box	1
Pieces per pallet	1,200	16





A770

OTTOCOLL® A770

The dispersion acrylic adhesive for OTTO Window Tapes



Characteristics

- 1-component acrylic adhesive
- High adhesive power
- Can be covered with plaster and painted
- Not immediately rainproof
- Can be stored and transported in temperatures as low as -10°C for up to 48 hours

Fields of application

■ Bonding of OTTO Window Tapes BAB/A and BAB/I on masonry, concrete, cellular concrete etc.

Standards and tests

- Suitable for applications according to IVD instruction sheet no. 30+31+35 (IVD = Germanindustry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	580 ml Alum. Foil Bag
white	A770-04-C01	A770-08-C01
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	880



OTTO product tip

OTTO Window Tape Outside OTTO Window Tape Inside

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OTTOCOLL® M500

The water-resistant premium hybrid adhesive/sealant



Characteristics

- 1-component adhesive and sealant based on STP hybrid polymer
- Excellent primerless adhesion on numerous substrates – even when exposed to water
- Very high mechanical strength, resistance to notches, tension and tearing
- For stress-compensating bonding and dynamic stresses
- Low odour
- Free of isocyanates
- Silicone-free
- Good weathering and ageing resistance
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS



Fields of application

- For application in interior and exterior areas
- Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
- For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building
- Sealing of air condition and ventilation systems
- Different building applications such as staircase construction etc.
- Bonding of lacquered and enamelled glass
- Bonding of stone, natural stone and ceramic
- Bonding and sealing of OTTOFLEX Sealing Strip (in the overlapping area) and accessories such as Sealing Tape, Corner Tapes and Sealing Sleeves (according to the requirements of ETAG 022)

- Declaration of no objection tested for use in food-related area (ISEGA Forschungs- und Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- Suitable for applications according to IVD instruction sheet no. 12+19-1+21+24+30+31+35 (IVD = German industry association sealants)
- Testet on coated glass (2-comp. PU Direct Decklack 7-530 made by Selemix System) made by Glas Nagel – status 11/2006
- The information provided with regards to our adhesion and compatibility tests reflects the status at the time of testing. Changes to the coatings are possible but outside our sphere of influence. With regards to these we advise to contact the producers of glass/coatings concerned.
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+
- Declaration in "baubook" Austria

Colour	310 ml Cartridge
grey	M500-04-C02
black	M500-04-C04
white	M500-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200

OTTOCOLL® M501

The transparent premium hybrid-adhesive



Characteristics

- 1-component adhesive based on hybrid polymer STP
- Excellent primerless adhesion on numerous substrates - even when exposed to water
- Free of isocyanates
- Silicone-free
- Low odour
- Good weathering and ageing resistance
- Very high mechanical strength, resistance to notches, tension and
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS



Fields of application

- · Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
- For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building
- Bonding of stone, natural stone and ceramic
- Different building applications such as staircase construction etc.

- Suitable for applications according to IVD instruction sheet no. 12+19-1+24+30+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- EMICODE® EC1 PLUS R very low emission
- For conformity with DGNB and LEED®, see the sustainability data sheet

Colour	310 ml Cartridge
transparent	M501-04-C00
Packaging unit	20/Box
Pieces per pallet	1,200



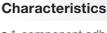




OTTOCOLL® AllFlex

The ultra flexible mounting adhesive





- 1-component adhesive based on hybrid polymer STP
- Free of isocyanates
- Silicone-free
- Low odour
- Excellent primerless adhesion on numerous substrates – even when exposed to water
- Very high mechanical strength, resistance to notches, tension and tearing
- For application in interior and exterior areas
- Good weathering and ageing resistance
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Not suitable for marble and other natural stones



Fields of application

- For building, extensions and mounting
- Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)

- Suitable for applications according to IVD instruction sheet no. 30+31+35 (IVD = Germanindustry association sealants)
- French VOC-emission class A+

Colour	310ml Cartridge
sanitary grey	M540-04-C18
white	M540-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200

OTTOCOLL® HiTack

The hybrid adhesive with high initial adhesion



Characteristics

- 1-component adhesive based on hybrid polymer STP
- Extremely high inital adhesion
- Excellent primerless adhesion on numerous substrates – even when exposed to water
- Very high mechanical strength, resistance to notches, tension and tearing
- For stress-compensating bonding and dynamic stresses
- Low odour
- Free of isocyanates
- Silicone-free
- Good weathering and ageing resistance
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS



Fields of application

- For application in interior and exterior areas
- Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
- For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building
- Elastic bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete etc.
- Bonding of stone, natural stone and ceramic
- Bonding of window sills, floor strips, decorative strips and stairs

- Suitable for applications according to IVD instruction sheet no. 12+19-1+24+30+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- Tested according to UL-94 HB

Colour	310 ml Cartridge
grey	M550-04-C02
black	M550-04-C04
white	M550-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200







OTTOCOLL® M560

The universal hybrid adhesive with extremely high initial adhesion



Characteristics

- 1-component adhesive based on hybrid polymer STP
- For internal and external use
- Also on damp substrates
- Broad adhesion spectrum
- Strong starting bonding
- High final strength
- Elastic
- Compatible with natural stone
- Good plastic bonding
- Fast thorough hardening
- Free of isocyanates
- Silicone-free



Fields of application

Basically suitable for: Aluminium blank/ anodised; concrete; concrete block; stainless steel; enamel; tiles/ceramics; GRP, gypsum/gypsum boards; glass not subject to UV radiation; hard foam boards; wood and wood materials raw/painted and glazed (solvent and water based); HPL boards; clinkers/brick; light building bricks/aerated concrete; MDF/OSB/chipboards; melamine resin boards; brass; metal powder-coated/ painted (check adhesion); natural and artificial stone; cork; copper; plaster; PVC hard; mirror (comply with finishing instructions); galvanised steel



- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- EMICODE® EC1 PLUS very low emission

Colour	310ml Cartridge
grey	M560-04-C02
black	M560-04-C04
white	M560-04-C01
Packaging unit	20/Box
Pieces per pallet	1,200

OTTOCOLL® M570

The 2-component hybrid mounting adhesive



Characteristics

- 2-component adhesive based on hybrid polymer STP
- Fast curing even in thick layers
- Excellent primerless adhesion on numerous substrates – even when exposed to water
- For stress-compensating bonding and dynamic stresses
- High resistance to notches, tension and tearing
- Low odour
- Free of isocyanates
- Silicone-free
- Good weathering and ageing resistance
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS



Fields of application

- For application in interior and exterior areas
- Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
- For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building
- Sealing of air condition and ventilation systems
- Bonding of stone, natural stone and ceramic
- Elastic bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete etc.

Standards and tests

- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	490 ml side-by-side plastic cartridge
fair grey	M570-43-C5195
Packaging unit	9/Box incl. 9 static mixing nozzles*
Pieces per pallet	540



OTTO accessories

OTTO Compressed Air Gun P495 DP p. 186
OTTO Hand-operated Gun 2K H278 p. 195
*OTTO Static mixing nozzle MFHX 13-18T p. 212

OTTOCOLL® M580

The extremely fast 2-component hybrid mounting adhesive



Characteristics

- 2-component adhesive based on hybrid polymer STP
- Extremely fast curing even in thick layers
- Very fast functionality strength
- Excellent primerless adhesion on numerous substrates – even when exposed to water
- For stress-compensating bonding and dynamic stresses
- Low odour
- Free of isocyanates
- Silicone-free
- Good weathering and ageing resistance
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS

Standards and tests

- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- Declaration in "baubook" Austria

Colour	2x 190 ml plastic twin cartridge	2x310ml plastic twin cartridge
fair grey	M580-15-C5195	M580-16-C5195
Packaging unit	10/Box incl. 10 static mixing nozzles*	10/Box incl. 10 static mixing nozzles*
Pieces per pallet	600	600



OTTO accessories

OTTO Compressed Air Gun P2x310 PMT	p. 186
OTTO Hand-operated Gun H 2x190 (B+O)	p. 194
OTTO Hand-operated Gun H 2x310 (B+O)	p. 194
*OTTO Static mixing nozzle MGQ 10-19D	p. 215



Fields of application

- For application in interior and exterior areas
- Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
- Elastic bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete etc.
- For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building
- Sealing of air condition and ventilation systems
- Bonding of ceramics
- Bonding of door fillings covering the complete door

M 590

OTTOCOLL® M590

The hybrid-adhesive for full-surface bonding



Characteristics

- 1-component adhesive based on hybrid polymer STP
- Free-flowing
- Excellent primerless adhesion on numerous substrates – even when exposed to water
- Good weathering and ageing resistance
- For stress-compensating bonding and dynamic stresses
- Low odour
- Free of isocyanates
- Solvent-free
- Silicone-free
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS



Fields of application

- For application in interior and exterior areas
- Elastic bonding and mounting of various materials such as wood, derived wood products, glass, metals (e.g. aluminium, stainless steel, anodising aluminium, brass, copper), plastics (e.g. unplasticised PVC, plasticised PVC, fibrereinforced plastics etc.), mineral substrates (e.g. brick, tile, ceramic), fireproof building panels (gypsum board etc.)
- For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building

- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- Declaration in "baubook" Austria

Colour	580 ml Alum. Foil Bag	201 Pail
white	M590-08-C01	on request
Packaging unit	20/Box	1
Pieces per pallet	880	16



OTTOCOLL® P83

The PU adhesive/sealant



Characteristics

- 1-component adhesive/sealant based on polyurethane
- Cures practically shrink-free without foaming
- Elastic and stress-compensating
- Non-corrosive
- Silicone-free
- Compatible with coatings according to DIN 52452
- Can be painted and varnished please observe application instruction in TDS
- Grindable after curing
- Extremely high resistance to impact load, shock load and peeling load
- Resistant to water, salt water, weak acids and alkaline, aquaeous cleaning agents



Fields of application

- Vibration- and movement-compensating bonding and sealing
- Sealing of air condition and ventilation systems



 For the bodywork and vehicle construction, waggon and container construction, metal construction and apparatus engineering, ship building

- Declaration of no objection tested for use in food-related area (ISEGA Forschungsund Untersuchungs-Gesellschaft mbH, Aschaffenburg, Germany)
- Suitable for applications according to IVD instruction sheet no. 12+19-1+21+25+30+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- EMICODE® EC1 PLUS R very low emission

Colour	310 ml Alum. Cartridg	580ml e Alum. Foil Bag
grey	P83-20-C02	P83-08-C02
black	P83-20-C04	on request
white	P83-20-C01	on request
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600

OTTOCOLL® P84

The premium PU adhesive



Characteristics

- Flowable 1-component adhesive based on polyurethane
- Weathering resistant according to DIN 204 D4
- Non-corrosive
- Only for commercial users. Please observe the material safety data sheet

Fields of application

- Manufacturing garden furniture and window edges
- Manufacturing of laminated wood for non-load-bearing parts
- Manufacturing sandwich/composite boards, e.g. for partition walls, door parts, exterior walls for prefabricated houses, façade elements, vehicle superstructural parts etc.
- Producing finger joints



- Tested according to DIN EN 204-D4 weathering resistant bonding for wood and derived wood products by the ift Rosenheim, Germany (institute for window techniques)
- Tested according to DIN EN 14257 (WATT 91) Bonding strength of sealants for wood and derived wood products (ift Rosenheim, Germany)
- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- French VOC-emission class C

Colour	500 ml Plastic Bottle	121 PE Canister
fair beige	P84-30-C68	P84-32-C68
Packaging unit	6/Box	1
Pieces per pallet	522	40



OTTOCOLL® P85

The premium PU mounting adhesive



Characteristics

- 1-component adhesive based on polyurethane
- Weathering resistant according to DIN 204 D4
- Extremely high adhesion strength
- Very fast curing
- Non-corrosive
- Grindable and paintable after curing
- Low odour
- Only for commercial users. Please observe the material safety data sheet

Fields of application

- Firm bonding of metals, e.g. aluminium, stainless steel, galvanised steel, copper
- Bonding of stone, natural stone and ceramic



- Bonding of fireproof panels, e.g. made of gypsum fibreboard or gypsum plasterboard
- Firm bonding of wood and derived wood products, e.g. chipboards, plywood etc. and in the staircase renovation
- Bonding of plastics, e.g. unplasticized PVC, fibrereinforced plastics etc.

- Tested according to DIN EN 204-D4 weathering resistant bonding for wood and derived wood products by the ift Rosenheim, Germany (institute for window techniques)
- Tested according to DIN EN 14257 (WATT 91) Bonding strength of sealants for wood and derived wood products (ift Rosenheim, Germany)
- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- French VOC-emission class A+

Colour	310 ml Cartridge	580ml Alum. Foil Bag
beige	P85-04-C16	P85-08-C16
translucent*	P85-04-C95	on request
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600

^{*}Please note technical data sheet.

OTTOCOLL® P86

The 1-component PU adhesive for corner connections



Characteristics

- 1-component adhesive based on polyurethane
- Excellent adhesion on metals
- Long skin-formation
- Fills cavities optimally foaming slightly
- Tensile strength after 7 days approx. 14,000 N (ift-test certificate)
- Only for commercial users. Please observe the material safety data sheet

Fields of application

- General bonding in metal construction
- Weathering resistant bonding of corner joints on metal windows, doors and facades as well as conservatories
- Bonding of modified wood



Standards and tests

- Tensile strength tested by the ift Rosenheim, Germany (institute for window techniques)
- According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- Expertise about the use of OTTOCOLL® P86 translucent for bonding modified wood (Georg-August-University Göttingen, Germany)
- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- French VOC-emission class A+

Colour	310 ml Cartridge	580 ml Alum. Foil Bag	1,000 ml Alum. Cartridge
translucent	P86-04-C95	P86-08-C95	on request
white	P86-04-C01	P86-08-C01	P86-06-C01
Packaging unit	20/Box	20/Box	6/Box
Pieces per pallet	1,200	600	192



Additional useful information

For bonding metals, the adhesive must not only have very fast curing but also excellent adhesive power on the metals used. OTTOCOLL® P86 being an adhesive based on PU is immediately ready to use and easy to handle.

Curing takes place via the chemical reaction with moisture, which is effected by spraying the surfaces to be bonded. Since small quantities of carbon dioxide are formed while curing, OTTOCOLL® P86 increases slightly in volume enabling hollow spaces to be filled up creating a tight anchoring of angle brackets and aluminium profiles.

The high bonding strength of corner joints of OTTOCOLL® P86 is confirmed by a test certificate issued by the Institute for Window Technology, Rosenheim, Germany (ift Rosenheim).

Processing of OTTOCOLL® P86

When using 1-component PU adhesives, a damp surface of the joint partner can support the thorough hardening. Lightly spray the parts to be bonded with water, apply OTTOCOLL® P86 and join within the skin-forming time of approx. 20 minutes. The materials to be bonded must be affixed before the adhesive has hardened. The bonded parts can be used after about 2 hours.





OTTOCOLL® P270

The dispersion-based solvent-free foil adhesive



Characteristics

- 1-component plastic adhesive based on an aqueous dispersion
- Solvent-free
- Strongly adhesive, stable, compensates surface irregularities
- Durable adhesive properties
- Ageing resistant
- Follows the movement of the building
- Can also be used without a pressure plate
- Low odour
- Store and transport frost-free

Fields of application

- For application in interior areas
- Airtight connection of vapour-retarder and vapour seals in compliance with DIN 4108
- Not suitable for sauna and swimming pools



Standards and tests

- Suitable for applications according to IVD instruction sheet no. 12+19-2+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	310 ml Cartridge	580ml Alum. Foil Bag
fair blue	P270-04-C987	P270-08-C987
Packaging unit	20/Box	20/Box
Pieces per pallet	1,200	600



OTTO product tip

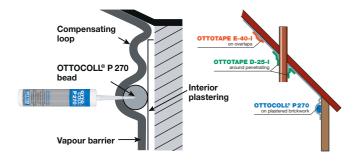
OTTOTAPE D-25-I Duct OTTOTAPE E-40-I Overlapping p. 226

p. 227



Additional useful information

For forming airtight bonds of vapour retarders and vapour barriers on absorbent substrates, such as plastering, concrete or untreated wood.



Wet method:



- Fix vapour barrier in place with adhesive tape. Remove the fixed vapour barrier immediately after applying OTTOCOLL® P 270 in 8 mm beads.
- Apply vapour barrier with loop in order to compensate movements of the building.



3. Press vapour barrier lightly onto the bead. CAUTION:
Please do not press it flat – OTTOCOLL® P270 bead must be at least 4 mm thick.

OTTOCOLL® Rapid

The super rapid power adhesive





- 1-component adhesive based on polyurethane
- Extremely fast curing
- Extremely high adhesion strength
- Non-corrosive
- Low odour
- Only for commercial users. Please observe the material safety data sheet

Fields of application

- For building, extensions and mounting
- For bonding, mounting, repairing of materials such as wood and derived wood products, metals (aluminium, stainless steel, copper etc.), stone, natural stone, ceramic, bricks, plastics (unplasticised PVC, fibrereinforced plastics etc.), insulating materials (styrene, PU etc.), fireproof panels (gypsum plasterboard or similar)





- According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- French VOC-emission class A+
- EMICODE® EC1 PLUS R very low emission

Colour	310 ml Cartridge
old grey	P340-04-C1170
beige	P340-04-C1038
Packaging unit	20/Box
Pieces per pallet	1,200



OTTOCOLL® P410

The PU adhesive for full-surface bonding





Characteristics

- Flowable 1-component adhesive based on polyurethane
- Long processing time
- Fast curing thus short pressing and fixing times
- Weathering resistant according to DIN 204 D4
- Non-corrosive
- Ideally suitable for automated processing via dosing equipment
- Only for commercial users. Please observe the material safety data sheet

Fields of application

- Manufacturing sandwich/composite boards, e.g. for partition walls, door parts, exterior walls for prefabricated houses, façade elements, vehicle superstructural parts etc.
- Bonding of large-surface elements, e.g. for prefabricated houses, caravan and container construction
- Manufacturing garden furniture and window edges

- According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- French VOC-emission class A+

Colour	121 PE Canister	2001 Tin drum	1,000 l Container
brown	P410-32-C05	on request	on request
Packaging unit	1	1	1
Pieces per pallet	40		1

OTTOCOLL® P520

The premium 2-component PU adhesive



Characteristics

- 2-component adhesive based on polyurethane
- Fast curing even in thick layers
- Non-shrink curing
- Excellent adhesion on metals
- Extremly high tensile strength after 24 hours - approx. 14,000 (ift-test certificate)
- Only for commercial users. Please observe the material safety data sheet

Fields of application

- Weathering resistant bonding of corner joints on metal windows, doors and façades as well as conservatories
- General bonding in metal construction
- Also suitable for firm bonding of very different materials such as wood, metal, plastics, stone etc.

Standards and tests

- Tensile strength tested by the ift Rosenheim, Germany (institute for window techniques)
- According to the requirements of DIN EN 204-D4 to weathering resistant bondings of wood and derived wood products
- According to the requirements of DIN EN 14257 (WATT 91) to temperature-resistant bondings of wood and derived wood products
- Suitable for applications according to IVD instruction sheet no. 30+35 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- French VOC-emission class A+



OTTO accessories

OTTO Compressed Air Gun P2x310 PMT OTTO Hand-operated Gun H 2x190 (B+O) OTTO Hand-operated Gun H 2x310 (B+O)	p. 186 p. 194 p. 194
OTTO Static mixing nozzle KWM18K for all SP versions and colours – except OTTOCOLL® P520 SP5276	p. 214
OTTO Static mixing nozzle KWM10 for OTTOCOLL® P520 SP5276	p. 214



Colour	P520 2x 190 ml	2x310ml	P520 SP4897 2x 190 ml	2x310ml	P520 SP6319 2x 190 ml	P520 SP5477 2x 190 ml	P520 SP5747 2x 190 ml	P520 SP5276 2x310 ml
Processing time	approx. 45 min		approx. 40 min		approx. 15 min	approx. 5 min	approx. 3min	approx. 1 min
approx. mixed viscosity (detemined via a cone/ plate viscometer)	approx. 400,000 mPas		approx. 250,000mPas		approx. 300,000 mPas	approx. 200,000 mPas	approx. 230,000 mPas	approx. 400,000 mPas 4
Shore D-hardness	approx. 60		approx. 70		approx. 65	approx. 75	approx. 80	approx. 85
RAL 7004	P520-15-C7004	on request	SP4897-15-C7004	on request	on request	on request	on request	-
RAL 9016	P520-15-C9016	P520-16-C9016	-	-	-	-	on request	-
old grey	on request	on request	-	-	-	-	SP5747-15-C1170	-
cream-white	P520-15-C635	P520-16-C635	on request	SP4897-16-C635	SP6319-15-C635	SP5477-15-C635	on request	-
ark brown	P520-15-C49	P520-16-C49	on request	on request	on request	on request	on request	on request
olive yellow	on request	on request	on request	on request	on request	on request	on request	SP5276-16-C6855
Packaging unit	10/Box 2	10/Box 2	10/Box2	10/Box 2	10/Box2	10/Box 2	10/Box2	10/Box (5)
Pieces per pallet	600	600	600	600	600	600	600	600

Oclour matches RAL 9006 white aluminium and RAL 9007 grey aluminium / 9incl. 10 static mixing nozzles KWM18K / 9incl. 10 static mixing nozzles KWM10 / The particular consistency of P 520 SP 5276 made it impossible to carry out the analysis of viscosity with a cone-plate viscometer. A Brookfield viscometer (spindel 7/2.5 rpm) was used here.

These variants not only differ in terms of processing time but also with respect to other properties. Please observe the relevant technical data sheet.



Additional useful information

In order to meet the requirements for a permanent joint of frame profiles and corner brackets, the adhesive must not only cure very quickly, but above all show excellent adhesive power on the metals used.

The high bonding strength of corner joints of P520 is confirmed by a test certificate issued by the Institute for Window Technology Rosenheim, Germany (ift Rosenheim). The corner connection resisted an applied load of 1,400 kg after only 24 h curing time.

The static mixer fitted onto the twin cartridge makes P520 is not only easy to use but also ensures the right mixing ratio and a very homogeneous blend.

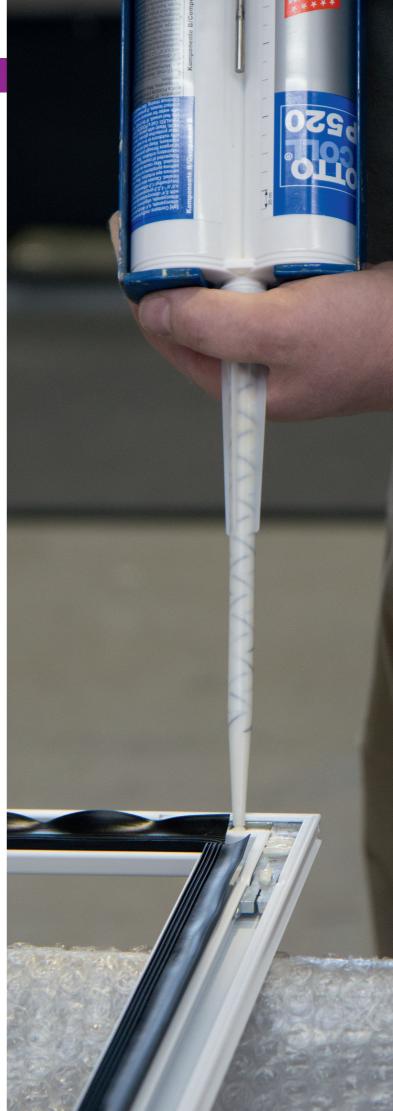
Since P520 once cured is not brittle, but remains permanently viscoplastic, the bonding shows outstanding knock and shock resistance.

Processing of OTTOCOLL® P520 secure – fast – multi-variant

OTTOCOLL® P520 in the easy-toprocess double cartridge together with the static mixer completely rules out mixing errors and cures even in very thick layers.

The 2-component system with a 1:1 mixing ratio also facilitates variable adjustments in terms of processing time, product characteristics and colouring.











S16

OTTOCOLL® S 16

The mirror adhesive



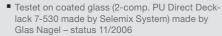
Characteristics

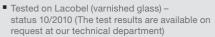
- Neutral-curing 1-component silicone adhesive based on alkoxy
- Adheres on all commercial mirror coatings without any primers
- Does not damage the mirror coating

Fields of application

- Elastic bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete etc.
- Also suitable as adhesive for acrylic glass mirrors (e. g. Plexiglas®)
- Bonding of lacquered and enamelled glass

Standards and tests





- The information provided with regards to our adhesion and compatibility tests reflects the status at the time of testing. Changes to the coatings are possible but outside our sphere of influence. With regards to these we advise to contact the producers of glass/coatings concerned.
- Suitable for applications according to IVD instruction sheet no. 30+35
 (IVD = German industry association sealants)
- Conform to LEED® v3 IEQ-credits 4.1 adhesives and sealants
- For DGNB classifications, see the product page on the OTTO website
- French VOC-emission class A+

Colour	310ml Cartridge
mint-white	S16-04-C97
Packaging unit	20/Box
Pieces per pallet	1,200



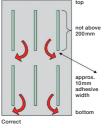
Additional useful information

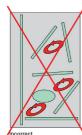
For elastic bonding of mirrors on ceramics, glass, plastic, stainless steel, aluminium, wood, concrete, plaster, masonry, gypsum board, aerated concrete or untreated wood. Commercially available mirror coatings do not need to be primed. OTTO Primer 1105 must be applied thickly on mineral surfaces. Airing-out takes at least 30 minutes. Coated chipboard must be pretreated with OTTO Primer 1216. When bonding onto substrates not mentioned here, please consult our Applications Technology department.

Never apply OTTOCOLL® S 16 in dots or over the whole surface but always in vertical stripes (beads). At least three adhesive stripes each approx. 10 mm wide have to be applied per square metre of mirror in order to enable the air circulation required for vulcanisation. The minimum distance between the mirror and substrate must be 1.6 mm, which can be realised by applying spacers. Preliminary fixation until curing (at least 48 hours) can be carried out with adhesive strips, blocks of wood or wedges.

For sealing the outside edges of the mirror in combination with natural stones we advise OTTOSEAL® S70, S80, S130 and S140, in combination with other materials like ceramics, metal, glass etc. we advise OTTOSEAL® S120, S121 and S125.

Please note that sealing must only be performed following the complete curing of the OTTOCOLL® S 16 mirror adhesive and once the decomposition products have completely escaped. This takes about seven days. Mirrors without glass backs should only be sealed at the vertical edges to avoid damage to the mirror coating caused by the formation of condensed water.





For an ideal adhesion or load capacity an undercoat of minimum 10 cm² per kg weight of pane, applied in strings, is necessary.



S610

OTTOCOLL® S610

The 2-component special silicone sealant



Characteristics

- Neutral, condensation-curing 2-component silicone adhesive and sealant based on alkoxy
- Excellent weathering, ageing and UV-resistance
- High resistance to notches, tension and tearing
- Excellent adhesion on many substrates, partly in combination with primer
- Non-corrosive
- High expansion-tension value guarantees high stability bonding
- Reduced cycle times due to the fast curing bonded parts can be further processed extremely soon
- Fast curing even in thick layers
- Compatible with PVB-foils according to the criteria of the ift-guideline DI-02/1
- Low odour



Fields of application

- Elastic bonding and sealing of various materials, e.g. glass, wood, metal and plastics
- Elastic bonding of mirrors on ceramic, glass, plastic, stainless steel, aluminium, wood, concrete etc.
- Also suitable as adhesive for acrylic glass mirrors (e. g. Plexiglas®)
- Not suitable for the structural bonding of structural glazing units

Standards and tests

- Suitable for applications according to IVD instruction sheet no. 30+31+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Colour	490 ml side-by-side plastic cartridge
fair grey	S610-2080-43-C5200
black	S610-2030-43-C04
Packaging unit	9/Box incl. 9 static mixing nozzles*
Pieces per pallet	540



OTTO accessories

OTTO Compressed Air Gun P495 DP p. 186
OTTO Hand-operated Gun 2K H278 p. 195
*OTTO Static mixing nozzle MFQX10-24T p. 213





The OTTOFLEX System

Waterproofing system under ceramic and natural stone coverings, for interior and exterior use

For decades, sanitary rooms were purely functional and often windowless wet cells for personal hygiene. Over time they have developed into an established feature of architecture, reflecting the individual taste of the user. Quite apart from personal requirements, the technical demands are

extremely high. The reason is that wherever surfaces come into contact with water, the underlying surfaces must be completely sealed. The OTTOFLEX system offers a wide range of perfectly compatible, certified components for the most diverse requirements.



Correct sealing under tiles and slabs (AIV)

The technical codes for the national standardisation of waterproofing and sealing in buildings were brought up to date in the summer of 2017. The DIN 18195, valid until then, was divided into the following 5 categories:

- DIN 18531 Waterproofing roofs, balconies, loggias and pergolas
- **DIN 18532** Sealing concrete areas for vehicle traffic
- **DIN 18533** Waterproofing building components in contact with soil
- **DIN 18534** Sealing interior rooms
- DIN 18535 Sealing tanks and pools

"Water exposure classes" replace "utility classes" in the new DIN 18534, whereby the utility classes as we know them reappear in the water exposure classes WO-1 to WO-3. The OTTOFLEX system with OTTOFLEX Sealing Strip, OTTOFLEX Sealing Slurry, OTTOFLEX Protective Coating and other supplementary products such as OTTOCOLL® M500, various tapes and sleeves are all approved for sealing under the new water exposure classes.

The current abP test reports provide valid certification for these new standards. However, in addition to the existing certification, there may be addtional requirements for certain products to meet the new standard. Specific information concerning each product can be found in the Standards and Tests section of the relevant technical data sheets.



abP Classification of Moisture Resistance

General building Inspection Certificate (abP) - high load

Resistance class	Exposure	Example of use	Sealing materials	Accessories
A	High exposure to water without pressure, indoor areas	Walls and floors in public showers, borders of swimming pools	 OTTOFLEX Protective Coating OTTOFLEX Slurry Seal Coating OTTOFLEX Sealing Strip OTTOCOLL® M 500 	OTTOFLEX Sealing Tape OTTOFLEX Project Sealing Tape OTTOFLEX Sealing Sleeve OTTOFLEX Interior and
В	High exposure to constant water pressure from the inside, indoor and outdoor areas	Wall and floor surfaces in swimming pools	OTTOFLEX Slurry Seal Coating	Exterior Corner
С	High exposure to water without pressure and to chemical substances, indoor areas	Wall and floor surfaces in rooms with limited chemical load	■ OTTOFLEX Sealing Strip + OTTOCOLL® M500	

OTTOFLEX Protective Coating is only certified for use on wall surfaces with high exposure to water without pressure in indoor areas (for example walls in public showers) in accordance with the utility class A of the abP

Central Association of the German Building Trade (ZDB) - moderate load

Resistance class	Exposure	Example of use	Sealing materials	Accessories
AO	Moderate exposure to water without pressure, indoor areas	Walls and floors in bathrooms, in private homes and hotels	 OTTOFLEX Protective Coating OTTOFLEX Slurry Seal Coating OTTOFLEX Sealing Strip + OTTOCOLL® M 500 	OTTOFLEX Sealing Tape OTTOFLEX Project Sealing Tape OTTOFLEX Sealing Sleeves OTTOFLEX Interior and
В0	Moderate exposure to water without pressure, outdoor areas	Balconies and patios (not above rooms that are in use)	 OTTOFLEX Slurry Seal Coating OTTOFLEX Sealing Strip + OTTOCOLL® M 500 	Exterior Corner

DIN 18534 Classification of water exposure

The following categories in DIN 18534 correspond to the level of water exposure:

Water exposure class	Water expos	sure	Example of use • 2	Category of crack	Sealing materials	Accessories
WO-I	low	Surfaces not often exposed to water spray	 Walls over washbasins in bath- rooms and sinks in kitchens in private houses Floors without drain in private houses e.g. in kitchens, utility rooms, guest WCs 	R1-I	OTTOFLEX Protective Coating for floor and wall seals OTTOFLEX Slurry Seal Coating OTTOFLEX Sealing Strip + OTTOCOLL® M 500	OTTOFLEX Sealing Tape OTTOFLEX Project Sealing Tape OTTOFLEX Flexible Sealing Sleeves OTTOFLEX Floor Sealing Sleeves
W1-I	moderate	Surfaces often exposed to water spray, seldom exposed to service water or a back-up of water	Walls over bathtubs and in showers and bathrooms Floors with drain in private houses Floors with/without drain and with low water exposure from shower area	R1-I		OTTOFLEX Interior and Exterior Corners OTTOFLEX Bath Edge Sealing Tape
W2-I	high	Surfaces often exposed to water spray and/or service water, occasionally intensified by a back-up of water, particularly on floors	Walls of showers in sport facilities/industrial buildings Floors with drain and/or gutters Floors in rooms with levelaccess showers Walls and floors of sport facilities and industrial buildings	R1-I	 OTTOFLEX Protective Coating for wall seals OTTOFLEX Slurry Seal Coating OTTOFLEX Sealing Strip + OTTOCOLL® M 500 	OTTOFLEX Sealing Tape OTTOFLEX Project Sealing Tape OTTOFLEX Sealing Sleeves OTTOFLEX Floor Sealing Sleeves OTTOFLEX Interior and Exterior Corners
W3-I	very high	Surfaces often, or for long periods, exposed to water spray or service water and/ or water from intensive cleaning, intensified by a back-up of water	 Surfaces of areas surrounding swimming pools Surfaces of showers and shower facilities in sport facilities or industrial buildings Surfaces in industrial buildings industrial kitchens, laundries or breweries etc. 	R1-I	■ OTTOFLEX Slurry Seal Coating Strip + OTTOCOLL® M 500 Strip	

 $[\]boldsymbol{W}$ – water exposure $\ | \ \boldsymbol{0\text{--3}}$ – level of exposure $\ | \ \boldsymbol{I}$ – interior

DIN 18534 Classification of Cracks

In addition to the new water exposure classes, DIN 18534 also specifies categories of cracks. In choosing the sealing method, the estimated variation of the width of a crack or the new formation of cracks must be taken into account.

(Existing cracks must be professionally repaired) Sealing strips or liquid compound sealants under tiles and slabs may only be used on subsurfaces of category R1-I. For interior work, it can usually be assumed that category R1-I applies.

Category of crack	Maximum width variation	Sub-surfaces
R1-I	up to 0.2 mm	Reinforced concrete, brickwork, screed, plaster
R2-I	up to 0.5mm	Joints between jumbo bricks, load-carrying closed joints between plate-formed coverings
R3-I	up to 1.0mm plus up to 0.5mm displacement	Contact areas of brickwork

olt is sometimes advisable to upgrade areas which are close by and not protected by structural measures (such as shower partitions) to the next level

² In some cases, more than one class may apply, depending on the estimated water exposure.

³ Surfaces to be sealed which might possibly be exposed to chemical influences, such as acids or alkaline solutions, must be treated with chemical-resistant sealants i. e. reactive resins.

DIN 18535 – Sealing Tanks and Pools

The water exposure classes are again the determining factor in DIN 18535. In addition, there are further specifications with regard to cracks and the location of the tank.

Water Exposure Classes for Tanks

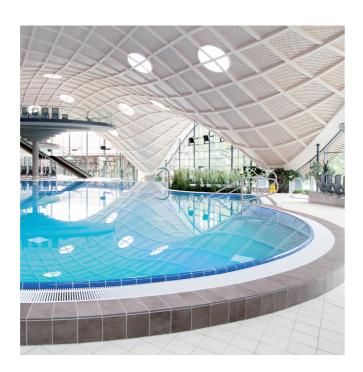
Water exposure class	Filling level	Sealing materials
W1-B	≤5m	OOTTOFLEX slurry seal coating up to 4m filling level (water column) in accordance with abP Output Description:
W2-B	≤ 10 m	-
W3-B	> 10 m	<u>-</u>

Category of Crack in accordance with DIN 18535	Description	Sealing materials
R0-B	No variation of crack width or fresh crack formation	OTTOFLEX Slurry Seal Coating
R1-B	Freshly formed cracks or variation of crack width up to max. 0.2 mm	OTTOFLEX Slurry Seal Coating

Location of Tank in accordance with DIN 18535	Description	Sealing materials
S1-B	Outdoor tank not attached to a building structure (seal of tank serves to prevent water content from leaking)	OTTOFLEX Slurry Seal Coating •
\$2-B	Indoor tank or outdoor tank which adjoins and is attached to a building structure (here the seal protects the building from the water content as well as preventing leakage)	OTTOFLEX Slurry Seal Coating Output Description:

OTTOFLEX Sealing Tape, OTTOFLEX Project Sealing Tape, OTTOFLEX interior and exterior Corners and OTTOFLEX Sealing Sleeves are approved for composite seals in accordance with DIN 18535 for the water exposure class W1-B, the category of crack R0-B and R1-B and for the tank locations S1-B and S2-B.

DIN 18534 applies if borders of swimming pools are to be sealed.





Additional useful information

The test certificates in accordance with abP are also valid as evidence for the new DIN standard 18535.

Further information on the classification of the surface to be sealed is available from www.otto-chemie.de and in our "The OTTOFLEX System" OTTO Professional Guide.

Utility classes of the ÖNORM B 3407

ÖNORM B 3407 applies to Austria

Based on the tests necessary for a General Building Authority test certificate (abP) according to PG-AIV-F and PG-AIV-B and the established areas of use, our products OTTOFLEX Protective Coating,



OTTOFLEX Slurry Seal Coating and OTTOFLEX Sealing Strip are approved for use in the following utility classes of the ÖNORM B 3407.

Resistance class	Exposure	Examples of use	Sealing materials	Accessories
W1	Surfaces with infrequent, short term exposure to cleaning water	Private houses: living quarters, corridors, WCs, offices etc	OTTOFLEX Protective Coating OTTOFLEX Slurry Seal Coating	OTTOFLEX Sealing TapeOTTOFLEX Project Sealing Tape
W2	Surfaces with infrequent, short term exposure to cleaning water, water spray and service water	Industrial facilities: WC facilities Private houses: kitchens or similarly used rooms	+ OTTOCOLL® M 500 OTTOFLEX OTTOFLEX Control Exterior Cor OTTOFLEX OTTOFLEX OTTOFLEX OTTOFLEX OTTOFLEX	 OTTOFLEX Wall Sealing Sleeves OTTOFLEX Floor Sealing Sleeves OTTOFLEX Flexible Sealing Sleeves OTTOFLEX Interior and
W3	Surfaces with frequent, short term exposure to cleaning water, water spray and service water	Wall surfaces without floor-level drainage, floor surfaces without drainage e.g. bathrooms, shower trays, floor surfaces in WC facilities without drainage, porches		Exterior Corners OTTOFLEX Deep Primer (W1+W2) OTTOFLEX Primer (W1+W2) OTTOFLEX Adhesive Primer
W4	Surfaces with frequent, prolonged exposure to cleaning water, water spray and service water	Wall surfaces with floor-level drainage, floor surfaces with drainage e.g. bathrooms, showers with level access, laundry rooms, floor surfaces in WC facilities with floor drainage		
W5	Surfaces with constant, prolonged exposure to cleaning water, water spray and service water and/or chemical substances	Swimming pool borders, shower facilities, commercial industrial production areas e.g. laboratories, food-processing halls, industrial kitchens	OTTOFLEX Slurry Seal Coating (except in areas with high level of chemical exposure) OTTOFLEX Sealing Strip + OTTOCOLL® M 500	
W6	Exterior areas	Balconies, patios, loggias, stairs, open pergolas	■ OTTOFLEX Slurry Seal Coating ■ OTTOFLEX Sealing Strip + OTTOCOLL® M 500	





OFS/OFH

OTTOFLEX Adhesive primer



Standards and tests

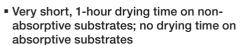
- GISCODE BSW10
- EMICODE® EC1 PLUS very low emission
- French VOC-emission class A+

OTTOFLEX Adhesive primer	1 kg Plastic Bottle	6kg Plastic Pail
	OFH-48	OFH-45
Packaging unit	10/Box	1
Pieces per pallet	480	45



Characteristics

- Adhesion-enhancing primer for floor and walls
- High-strength bond adhesion even on sealed, smooth substrates such as glazed ceramic tiles



- Compatible with commercially available tile adhesives and solvent-free coatings
- Solvent-free
- Store and transport frost-free

Fields of application

- Primer and bonding course on absorptive and non-absorptive floor and wall areas indoors and outdoors before laying ceramic coverings.
- Suitable for a large variety of substrate, for example hydraulically hardening cement, lime and gypsum plasters, gypsum plaster boards, gypsum fibreboards, brickwork, aerated concrete, lime-sand brick, cement, anhydrite, magnesia and mastic asphalt screeds, timber floorboards, self-levelling floor-levelling compound/material, natural stone, glazed ceramic tiles, steel and glass.
- Creates a secure bond with the following coatings and water-based thin-bed mortars.



OFS/OTG

OTTOFLEX Deep Primer





Characteristics

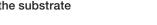
- Solvent-free primer for floors and walls
- Impregnates deeply into the surface
- Forms a very good bonding agent for subsequent coatings
- Improves the adhesion of plasters, tile adhesives and wallpapers
- Dilutable 1:2 with water
- Store and transport frost-free

Fields of application

- Priming and reinforcing of absorbent and less absorbent surfaces
- Primer should be applied prior to the application of acrylate coatings and commercially available solvent-free tile adhesives on gypsum boards, gypsum and lime-gypsum plasterings, gypsum floors, gypsum fibreboards, concrete, cellular concrete, sand-lime brick, bricks, masonry, plasters, screeds, anhydrite floors and melted asphalt screeds, panelling, priming and self-spreading floor leveling compounds
- Use within the scope of tile setting according to DIN 18157-1
- Facilitates the removal of wallpapers during renovating work
- Improves the load-bearing strength and firmness of the substrate

- Complies with the stress categories W1 and W2 in accordance with ÖNORM B 3407
- GISCODE BSW20
- EMICODE® EC1 PLUS very low emission
- French VOC-emission class A+

OTTOFLEX Deep Primer	1 kg Plastic Bottle	5 kg Plastic Canister	10kg Plastic Canister	20 kg Plastic Canister
fair blue	OTG-39	OTG-59	OTG-61	OTG-68
Packaging unit	10/Box	1	1	1
Pieces per pallet	480	90	60	24
OTTOFLEX Deep Primer				200 kg Plastic Drum
fair blue				on request
Packaging unit				1
Pieces per pallet				2





OFS/OFV

OTTOFLEX Primer





Characteristics

- Synthetic resin dispersion based on styrene butadiene
- Solvent-free



- In combination with OTTOFLEX Protective Coating it complies with the requirements of the moisture resistance classes A0 according to ZDB-information sheet as well as A according to abP
- Store and transport frost-free

Fields of application

 Primer for OTTOFLEX Protective Coating, on absorbent and heavily absorbent substrates such as gypsum plasterboards, gypsum plaster components, plaster, concrete, cellular concrete, masonry, stone, screed, chipboard of fibreboard

Standards and tests

- Tested in relation to OTTOFLEX Protective Coating in accordance with the test principles to issue a general appraisal certificate for liquid processable sealings in relation to tile and paving tiles
- Complies with the stress categories W1 and W2 in accordance with ÖNORM B 3407
- GISCODE BSW10
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission

OTTOFLEX Primer	1 kg Plastic Bottle	5 kg Plastic Canister	10kg Plastic Canister	200 kg Plastic Drum
	OFV-39	OFV-59	OFV-61	on request
Packaging unit	10/Box	1	1	1
Pieces per pallet	480	90	60	2



OTTO product tip

OTTOFLEX Protective Coating

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3 011

OFS/OFF

OTTOFLEX Protective Coating





Characteristics

- Synthetic resin dispersion based on styrene butadiene
- Sealing against humidity



- Compatible with commercially available tile adhesives and solvent-free coatings
- Compatible with OTTO silicone sealants
- Ready-to-use, easily applicable by rolling, painting or trowelling
- Very short drying time of 2 to 3 hours
- High crack bridging ability
- Free of plasticisers and solvents
- Store and transport frost-free

Fields of application

- Composite sealing in moisture-prone rooms and wet rooms underneath ceramic coverings and natural stone using the thin bed method
- Suitable for very various substrates, e.g. gypsum, gypsum plasterboards, gypsum fibre, (cellular-) concrete, masonry, stone, screed

Standards and tests

- Complies with the water action categories W0-I, W1-I and W2-I for tear class R1-I in accordance with DIN 18534
- General building inspection certificate Liquid seal in combination with tiles and board coverings for use as building sealant
- Conform to the moisture resistance classes A0 according to ZDB and A according to abP
- Based on the inspections for awarding an AbP in accordance with PG-AIV-F and the resulting areas of application, the following stress categories can be assigned from the ÖNORM B 3407 – W1, W2, W3 and W4.
- GISCODE BSW10
- French VOC-emission class A
- EMICODE® EC1 PLUS very low emission

OTTOFLEX Protective Coating	7kg Plastic Pail	12kg Plastic Pail	20 kg Plastic Pail	90 kg Plastic Drum ²
	OFF-45	OFF-46	OFF-35	OFF-36
Packaging unit	1	1	1	1
Pieces per pallet	45	33	24	4

Ocntainer with colour paste for the second coat included.
The necessary colour bag for the 90-kg drum must be ordered separately according to requirements. For colouring 20kg of protective coating, we recommend 1 bag of coloured paste (10g), i.e. approx. 5 bags for 90kg.



Additional useful information

DIN 18534-1 stipulates the application of at least two layers of fluid sealant (AIV-F) which must entirely cover the surface and be in two contrasting colours.

OTTOFLEX Protective Coating offers an innovative solution to this:

A colour paste is provided with each container. Empty the contents of the sachet into the remaining liquid coating, mix well and apply as usual.



Advantages of the colour additive:

- Fewer containers required
- No risk of confusion during transport or on the building site

New in the OTTOFLEX System

For sealing in combination with the OTTOFLEX Protective Coating, the following C2 tile adhesives are tested in the system in accordance with abP (general building inspection certificate):

- Sopro tile cement no. 1
- PCI flexible mortar S1
- Ardex X 7 G plus
- PCI flexible mortar
- Sakret flexible tile cement FFK
- PCI FT Extra
- Mapei Keraquick S1
- Schönox Q6
- Botament M 21 Classic
- Codex CX 1

Please refer to the current list of all certified C2 adhesives in the system on our OTTO website!



OTTO product tip

OTTOFLEX Primer

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OFS/ODS

OTTOFLEX Slurry Seal Coating





Characteristics

- 1-component, flexible composite sealing
- Crack-bridging
- Easy to use
- Crack-free curing
- Watertight and permeable to vapour diffusion after curing
- Frost and ageing resistant after setting

Fields of application

- For application in interior and exterior areas
- Flexible composite sealing under ceramic coverings and natural stone in moistureprone rooms and wet rooms
- Flexible composite sealing under ceramic coverings and natural stone on balconies, terraces and arcades (not above used rooms) with a gradient ≥1.5 %
- Construction waterproofing of components which have contact with the earth to protect against ground moisture and nonoppressive water, such as exterior cellar walls and supporting walls
- For sealing swimming pools and solid water containers for the interior and the exterior, authorised for a water depth of up to 4 m

- Suitable for substrates which are sufficiently stable such as gypsum plasterboard, gypsum fibre, screed, heated screed, concrete, masonry, cellular concrete and plasters classified by mortar groups II and III
- In very wet areas conform to stress categories A and B according to abP

- General building inspection certificate Liquid seal in combination with tiles and board coverings for use as building sealant
- Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- Conform to the stress categories A and B according to AbP
- Conform to the moisture resistance classes A0 and B0 according to ZDB information sheet
- Based on the inspections for awarding an AbP in accordance with PG-AIV-F and the resulting areas of application, the following stress categories can be assigned from the ÖNORM B 3407 W1, W2, W3, W4, W5 (except areas with increased chemical stress) and W6.
- GISCODE ZP1
- French VOC-emission class A+

OTTOFLEX Slurry Seal Coating	20 kg Sack
	ODS-108
Packaging unit	1
Pieces per pallet	50

OFS/OAB

OTTOFLEX Sealing Strip





Characteristics

- Polyethylene sealing strip with double non-woven fabric
- Impermeable to water and has water vapour retarding properties
- High practical stretching and crack bridging properties
- Resistant to ageing and decomposition
- Good resistance to aqueous solutions of salt, acids and alkaline solutions
- The product is alkali-resistant according to the test specifications of AbP Sealing in connection with tiles and slabs and of ETAG 022
- According to building material class B2

Fields of application

- Composite sealing in moisture-prone rooms and wet rooms underneath ceramic coverings and natural stone using the thin bed method (e.g. wet areas such as bathrooms, shower rooms, edge areas of swimming pools, saunas, steam baths, steam saunas, as well as for industrial uses in the foodstuffs industry, e.g. in breweries, dairies)
- Flexible composite sealing under ceramic coverings and natural stone on balconies, terraces and arcades (not above used rooms) with a gradient ≥ 1.5 %

 OTTOFLEX Sealing Strip is a crack-bridging, uncoupling, watertight, alternative sealing strip with nonwoven fabric for safe fastening of the tile adhesive applied

Standards and tests

- Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- According to the moisture resistance classes A and C according to abP as well as A0 and B0 according to ZDB information sheet
- General building inspection certificate Panel-shaped seal in combination with tiles and board coverings for use as building sealant
- Based on the inspections for awarding an AbP in accordance with PG-AIV-F and the resulting areas of application, the following stress categories can be assigned from the ÖNORM B 3407 W1, W2, W3, W4. W5 and W6.
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission

Roll length/Tape width	Order code
30 m (1,000 mm dimension)	OAB-100
Packaging unit	1/Box
Pieces per pallet	26



Additional useful information

For sealing in combination with the OTTOFLEX Sealing Strip, the following C2 tile adhesives are tested in the system in accordance with abP (general building inspection certificate):

- Sopro tile cement No. 1
- PCI flexible mortar S1
- PCI FT Extra
- Mapei Keraquick S1
- Ardex X 7 G plus
- SCHÖNOX Q6
- Botament M 21 Classic
- Codex Power CX 1

Please refer to the current list of all certified C2 adhesives in the system on our OTTO website!



OTTO product tip

OTTOCOLL® M500

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OFS/OFD

OTTOFLEX Sealing Tape





Characteristics

- Fabric reinforced elastomer tape
- Extremely flexible, ageing resistant, highly tear resistant



- Compatible with commercially available tile adhesives and solvent-free coatings
- Compatible with OTTO silicone sealants
- Safe connection with OTTOFLEX Protective Coating
- User-friendly because of fold for easy bending
- Marked with metre measuring scale
- Dispenserbox

Fields of application

- For application in interior and exterior areas
- Sealing of wall corners to bridge cracks and joints

- Tested in accordance with the test principles to issue a general appraisal certificate (abP) P-AB 075-03 for liquid processable sealings in association with tile and paving tiles, paragraph 3.5.6 (edition september 2004) to apply water pressure of 3 bar over a period of 7 days
- Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- Complies with the action categories IB and IIB in accordance with DIN 18531
- Complies with the water action categories W1-E and W4-E in accordance with DIN 18533
- Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission

Width	Trade language	Rolls at 10 m each	Rolls at 50 m each
5.0 cm	Tape set of 10	OFD-5/10	OFD-5/50
7.0 cm	Tape set of 12	OFD-7/10	OFD-7/50
Packaging unit		1/Box	1/Box
Metre/pallet		4,200	5,000

OFS/OTO

OTTOFLEX Project Sealing Tape





Characteristics

- Fabric reinforced elastomer tape
- Extremely flexible, ageing and tear resistant
- Compatible with commercially available tile adhesives and solvent-free coatings
- Safe connection with **OTTOFLEX Protective Coating**
- Compatible with OTTO silicone sealants



Fields of application

 Sealing of wall corners to bridge cracks and joints

- Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- Tested according to DIN EN 1928 (version B) test of the waterimpermeability
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission

Width	Trade language	Rolls at 50m each	
7.0 cm	Tape set of 12	OTO-70	
Packaging unit		6/Box	
Meter/Palette		4,500	

OFS/OFAE

OFS/OFIE

OTTOFLEX Exterior Corner Tapes

OTTOFLEX Interior Corner Tapes





Fields of application

 Elastic corner tape for permanent waterproof sealing of exterior corners under tiles, boards and ceramic coverings



Standards and tests

- Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission





Fields of application

 Elastic corner tape for permanent waterproof sealing of interior corners under tiles, boards and ceramic coverings



Standards and tests

- Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission

Dimensions	Вох	Dispenserbox*
approx. 15 cm length and approx. 6 cm sealing width	OFAE	OFAE20
Packaging unit	4/Box	20/Box*
Pieces per pallet	-	-

*Only in full packaging units

Dimensions	Вох	Dispenserbox*
approx. 15 cm length and approx. 6 cm sealing width	OFIE	OFIE50
Packaging unit	10/Box	50/Box*
Pieces per pallet	-	-

*Only in full packaging units

OFS/OFBM

OFS/OFWM

OTTOFLEX Floor Sealing Sleeve

OTTOFLEX Wall Sealing Sleeve





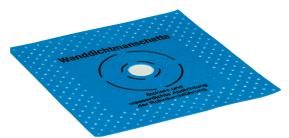
Fields of application

Elastic sealing sleeve used in floor areas for permanent waterproof sealing around pipe ducts under tiles, boards and ceramic coverings



Standards and tests

- According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission





Fields of application

 Elastic sealing sleeve used on walls for permanent waterproof sealing around pipe ducts under tiles, boards and ceramic coverings



- According to the moisture resistance classes A0 and B0 according to ZDB as well as A, B and C according to abP
- Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission

Dimensions	Order code
42.5 x 42.5 cm	OFBM
Packaging unit	2/Box
Pieces per pallet	-

Dimensions	Order code
15 x 15 cm	OFWM
Packaging unit	10/Box
Pieces per pallet	-

OFS/OFDM

OFS/WRD

OTTOFLEX Flexible Sealing Sleeve

OTTOFLEX Bath edge sealing tape





Fields of application

 Special elastomer sleeve (available in 3 sizes) with expansion zone and sealing lip for permanently waterproof sealing on pipe ducts under tiles, boards and ceramic coverings.



Standards and tests

- Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- According to the moisture resistance classes according to ZDB and abP
- Complies with the stress categories W1, W2, W3, W4, W5 and W6 in accordance with ÖNORM B 3407
- French VOC-emission class A+
- EMICODE® EC1 PLUS very low emission





Characteristics

- Polypropylene fleece with butyl rubber
- Flexible sealing tape
- Integrated, self-adhesive butyl strips for easy application using release foil
- Compatible with OTTO silicone sealants

Fields of application

 Sealing tape for the flexible seal between the shower/bath tub and the wall

Standards and tests

- Complies with the water action categories W0-I and W1-I in accordance with DIN 18534
- Complies with the stress categories W1, W2, W3 and W4 in accordance with ÖNORM B 3407

Dimensions	Sizes for pipe ducts	Order code
135 x 135 mm	20-35mm	OFDM20-35

135x135mm	20-35mm	OFDM20-35	
160x160mm 31-50mm		OFDM31-50	
215x215mm	69-110mm	OFDM69-110	
Packaging unit		10/Box	
Pieces per pallet		-	

OTTO product tip

OTTOCOLL® M 500

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Total width	Rolls at 4m each	Rolls at 25 m each
10.0 cm	OFWRD4	OFWRD25
Packaging unit	1/Box	1/Box
Metre/pallet	-	-

OFS/SCHALL

OFS/SCHUTZ

OTTOFLEX Sound insulation tape

OTTOFLEX Protective tape





Characteristics

 One-sided self-adhesive PE foam tape with PE peel-off foil

Fields of application

 For sound insulation between the edge of the shower/bath tub and the wall





Characteristics

- Self-adhesive protective tape, tight-edged woven with double fabric in the middle
- Protection of the compound seal (e.g. OTTOFLEX sealing tape) against inadvertent separation in a sanitation case
- Textile made from polyamide and aramid with hot-melt adhesive and peel-off foil
- Thin to ensure it doesn't come across as too thick underneath the tile
- Flexible for easy processing

Fields of application

- Self-adhesive protective tape as a supplement for sealing tapes for use in the areas of silicone joints
- All joint areas which need to be cut-proof.
 Wall joint, floor joint, bath and shower edge

Total width	Rolls at 4m each	Rolls at 25 m each
3.0 cm	OFSCHALL4	OFSCHALL25
Packaging unit	1/Box	1/Box
Metre/pallet	-	-

Total width	Rolls at 10 m each	Rolls at 25m each
5.0 cm	OFSCHUTZ10	OFSCHUTZ25
Packaging unit	1/Box	1/Box
Metre/pallet	-	-





OP910

OTTOPUR OP910

The 1-component dosing foam for applicator guns



Characteristics

- 1-component mounting and insulating foam based on polyurethane
- Controlled dosage using applicator guns
- Foam yield approx. 501 per 750 ml can
- Can be cut after approx. 20 minutes
- Can be loaded after approx. 3-5 hours
- Normally flammable

Fields of application

- Mounting and insulating of door and window frames made of wood, steel and plastic in masonry
- Mounting and insulating of interior partition walls, window sills, etc.
- Filling of cavities of all types
- Especially suitable for narrow sealings, e.g. restoration of old buildings



Standards and tests

- normal inflammable building material
- EMICODE® EC1 PLUS R very low emission
- French VOC-emission class A+

OTTOPUR OP910	750 ml Aerosol Can
	OP910-85
Packaging unit	12/Box
Pieces per pallet	504



OTTO accessories

OTTO Applicator Gun Guardia X7	p. 182
OTTO Applicator Gun ULTRA	p. 182
OTTO Applicator Gun IPF with reducing set	p. 183



OTTO product tip

OTTOPUR Cleaner

p. 175



- General building inspection certificate: (class E according to DIN EN 13501-1)

OP920

OTTOPUR OP920

The 2-component PU foam



Characteristics

- 2-component assembly and insulation foam based on polyurethane
- Can be cut after approx. 9 minutes
- Braces can be removed after approx.
 30 minutes
- Can be fully loaded after approx. 3 hours
- Foam yield approx. 101 per 400 ml can
- Normally flammable

Fields of application

- Mounting and insulating of door and window frames made of wood, steel and plastic in masonry
- Suitable for the mounting of wooden steps
- Suitable for mounting basins made of acrylic and steel (shower trays)



Standards and tests

- General building inspection certificate: normal inflammable building material (class E according to DIN EN 13501-1)
- French VOC-emission class A+

OTTOPUR OP920	400 ml Aerosol Can
	OP920-82
Packaging unit	12/Box
Pieces per pallet	576



OP930

OTTOPUR OP930

The 1-component mounting and insulating foam



Characteristics

- 1-component mounting and insulating foam based on polyurethane
- Foam yield approx. 25/381 per 500/750 ml can
- Can be cut after approx. 30 minutes
- Can be loaded after approx. 3-5 hours
- Normally flammable

Fields of application

- Mounting and insulating of door and window frames made of wood, steel and plastic in masonry
- Mounting and insulating of interior partition walls, window sills, etc.
- Filling of cavities of all types



Standards and tests

- General building inspection certificate: normal inflammable building material (class E according to DIN EN 13501-1)
- EMICODE® EC1 PLUS R very low emission
- French VOC-emission class A+

OP930-83 OP930-85	i
B 1 1 11 14 14 14 14 14 14 14 14 14 14 14	
Packaging unit 12/Box 12/Box	
Pieces per pallet 672 504	

OTTOPUR OP930

500 ml

Aerosol Can

750 ml

Aerosol Can



p. 175

OP940

OTTOPUR OP940

The soundproofing and thermal insulating foam

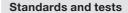


Characteristics

- 1-component mounting and insulating foam based on polyurethane
- Sound-insulating
- Thermal insulating
- Foam yield approx. 501 per 750 ml can
- Can be cut after approx. 30 minutes
- Can be loaded after approx. 3 hours
- Normally flammable

Fields of application

 Sound/thermal insulating mounting of window and door frames



- Sound damping of joints (according to the ift guideline SC-01/2:2002-09) has been tested by the ift Rosenheim, Germany (institute for window techniques)
- Heat conductivity (according to EN 12667) has been tested by the "Forschungsinstitut für Wärmeschutz" (research institute for thermal insulation), Munich, Germany
- Water vapour permeability (according to EN 12086) has been tested by the "Forschungsinstitut für Wärmeschutz" (research institute for thermal insulation), Munich, Germany
- General building inspection certificate: normal inflammable building material (class E according to DIN EN 13501-1)

OTTOPUR OP940	750 ml Aerosol Can
	OP940-85
Packaging unit	12/Box
Pieces per pallet	504



OTTO accessories

OTTO Applicator Gun Guardia X7	p. 182
OTTO Applicator Gun ULTRA	p. 182
OTTO Applicator Gun IPF with reducing set	p. 183



OTTO product tip

OTTOPUR Cleaner







OPTU

OTTOPUR Turbo

The 2-component PU Door Frame Foam



Characteristics

- 2-component mounting foam based on polyurethane
- Propellant-free
- Extremely fast curing
- Can be loaded within few minutes
- Can be cut at 20°C after approx. 5 minutes
- Foam yield approx. 5.51 per 250 g/210 ml twin cartridge
- According to building material class B2
- Only for commercial users.
 Please observe the material safety data sheet



Fields of application

 Mounting and insulating of door and window frames made of wood, steel and plastic in masonry

Standards and tests

- General building inspection certificate normal inflammable building material (B2) according to DIN 4102-1
- French VOC-emission class A+

OTTOPUR Turbo	2x 125 g/2x 105 ml twin cartridge	
	OPTU-21	
Packaging unit	16/Box incl. 16 static mixing nozzles*	
Pieces per pallet	1120	



OTTO accessories

OTTO Hand-operated Gun 2K H248 p. 195
*OTTO Static mixing nozzles 2-component PU p. 216









GL

OTTO Smoothing Agent

Characteristics

- Aquaeous solution of surface-active substances
- Dermatologically tested ingredients
- Does not dry out the skin
- Dilutable with water;2 (smoothing agent): 1 (water)
- Keeps the shine of the sealant surface intact
- Colouring pigments of the sealant are not washed off
- Not suitable for marble and other natural stones



 Smoothing of sealant surfaces including silicone, polyurethane and MS hybrid polymer sealants



250 ml

Standards and tests

 Due to the results of the in-vivo compatibility test (test report of Institute Fresenius, 65232 Taunusstein, Germany) the OTTO Smoothing Agent is classified as harmless in terms of a potential skin irritating effect



OTTO Smoothing Agent	250 ml Plastic Bottle	1,000 ml Plastic Bottle	51 Plastic Canister
	GL-52	GL-57	GL-59
Packaging unit	1	1	1
Pieces per pallet	-	-	90

OTTO Smoothing Agent	101 Plastic Canister	601 Plastic drum	2001 Plastic drum
	GL-61	on request	on request
Packaging unit	1	1	1
Pieces per pallet	30	6	2



Additional useful information

The OTTO Smoothing Agent may be diluted with water.

Smoothing agent must not remain on the sealant joint and on adjacent surfaces, because dried residual sealant might cause optical impairmentes (dull/light spots).

As a matter of principle it is advisable to use the smoothing agent as sparingly as possible, for example by only slightly moistening the smoothing tools or applying the smoothing agent to the surface of the sealant with a clean paintbrush.

Residual smoothing agent must be removed using clear water before it dries.

Before use, preliminary tests should be carried out to ensure the compatibility with adjacent surfaces, for example different types of coated wood.

The dermatologically tested ingredients of the OTTO Smoothing Agent have been rated as "non irritating to the skin" by the Fresenius Institute, Taunusstein, Germany and do not, unlike washing-up liquids, dry out the skin.

Nevertheless, hands should be washed and creamed after use.

GLM

OTTO Marble Silicone Smoothing Agent

Characteristics

- Aquaeous solution of surface-active substances
- Especially attuned to delicate marble and natural stone varieties
- Reduces the risk of staining from smoothing agents to a minimum
- Dermatologically tested ingredients
- Does not dry out the skin
- Keeps the shine of the sealant surface intact
- Colouring pigments of the sealant are not washed off
- Use in undiluted condition only



 Smoothing of sealants in contact with natural stone



250 ml

Standards and tests

 Due to the results of the in-vivo compatibility test (test report of Institute Fresenius, 65232 Taunusstein, Germany) the OTTO Smoothing Agent is classified as harmless in terms of a potential skin irritating effect



OTTO Marble Silicone Smoothing Agent	250ml Plastic Bottle	1,000ml Plastic Bottle	51 Plastic Canister
	GLM-52	GLM-57	GLM-59
Packaging unit	1	1	1
Pieces per pallet	-	-	90

OTTO Marble Silicone Smoothing Agent	101 Plastic Cani	601 ister Plastic drum	2001 Plastic drum
	GLM-61	on request	on request
Packaging unit	1	1	1
Pieces per pallet	30	6	2



Additional useful information

The OTTO Marble Silicone Smoothing Agent must always be used undiluted. The smoothing agent used should always be new and without impurities.

Smoothing agent must not remain on the sealant joint and on adjacent surfaces, because dried residual sealant might cause optical impairmentes (dull/light spots).

As a matter of principle it is advisable to use the smoothing agent as sparingly as possible, for example by only slightly moistening the smoothing tools or applying the smoothing agent to the surface of the sealant with a clean paintbrush.

Residual smoothing agent must be removed using clear water before it dries. Otherwise stains and discolouring can not be excluded completely due to the special consistency of natural stones.

When tooling off the matt finish with OTTO Marble Silicone Smoothing Agent – please be aware: The joint should be tooled off once, with a smoothing tool emmersed in OTTO Marble Silicone Smoothing Agent. Do not make too many repeat passes with the smoothing tool to avoid polishing the matt surface!

Nevertheless, owing to the unique character of natural stone, stains/discolourations cannot be ruled out completely. Because of this and the many possible influences during processing and application, we advise carrying out preliminary, object-related tests.

The dermatologically tested ingredients of the OTTO Smoothing Agent have been rated as "non irritating to the skin" by the Fresenius Institute, Taunusstein, Germany and do not, unlike washing-up liquids, dry out the skin.

Nevertheless, hands should be washed and creamed after use.





GLK

OTTO Concentrated smoothing agent

Characteristics

- Aquaeous solution of surface-active substances
- Suspension homogenise before use
- Gentle on the skin due to dermatologically tested active ingredients
- Does not dry out the skin
- Concentrated, can be diluted with water individually depending on the sealant and use
- Keeps the shine of the sealant surface intact
- Colouring pigments of the sealant are not washed off
- Not suitable for marble and other natural stones



 Smoothing of sealant surfaces including silicone, polyurethane and MS hybrid polymer sealants

Plastic Bottle	Plastic Canister
GLK-57	GLK-59
1	1
-	90
	Plastic Bottle GLK-57 1









Accessory products

Accessory products



SIEN

OTTO SilOut

The silicone remover



Characteristics

- Thixotropic paste for removing of cured silicone sealants and adhesives
- Removes silicone from wood, masonry, plastering, concrete, glass, porcelain, metal and plastics
- Compatible with a very wide variety of substrates in structural engineering and window construction as well as for sanitary areas
- Application leads to silicone-free surfaces



 Removing silicone residues from joints and soiled surfaces



Colour	300 ml Cartridge
white	SIEN-03-C01
Packaging unit	20/Box
Pieces per pallet	1,200



Additional useful information

Apply OTTO SilOut liberally to the surface to be treated. The layer should be approx. 2 or 3 times the thickness of the silicone sealant to be removed (at least 5 mm). The application time is around 5 hours for a silicone layer of 0.5 mm and around 24 hours for a silicone layer of 2–3 mm. The reaction speed depends mainly on the layer thickness of the silicone mass to be removed as well as on the type of the crosslinking system and the composition and the properties of the silicone sealant.

Once the OTTO SilOut has dried, the silicone and OTTO SilOut left-overs must be fully removed using a scraper then using a damp cloth or using a suitable moistened tool. If necessary, the treatment has to be repeated using OTTO SilOut. Before re-joining, all OTTO SilOut left-overs in the joint and in the joint base must be carefully removed. Left-overs of OTTO SilOut can be particularly damaging to newly applied joint sealant on narrow or deep joints or rough bases (e.g. masonry, plaster, edge insulation strips, etc.).

Allow the joint edges and base enough time to dry out properly before re-jointing. OTTO Cleaner T is suitable for cleaning the joints and the surfaces to be joined before re-joining.





STEX

OTTO StainEx

The marble and natural stone degreasing paste



Characteristics

- Ready-to-use paste
- Easy processing
- Successful usage may avoid expensive refurbishment of natural stone

Fields of application

 To remove grease from marble and natural stone where unsuitable sealants have caused migratory staining around the edges of the joints

Colour	310ml Alum. Cartridge
beige	STEX-20-C1378
Packaging unit	12/Box
Pieces per pallet	1,248



Additional useful information

OTTO StainEx eliminates migratory staining caused by unsuitable sealants and removes staining up to a depth of 2 cm. Please carry out a preliminary test to make sure that the grease stains can be removed with OTTO StainEx. Remove the sealant completely out of the joint. The edge joints should be dry when applying the paste. Don't use OTTO StainEx at base temperatures below +5°C and above 20 °C. Put OTTO StainEx on the surface and spread it with a brush. Then apply OTTO StainEx again in order to achieve a layer thickness of at least 5 mm. After drying of the paste (at least 12 hours, paste has to be pulverised completely) sweep off the remaining solid parts with a broom or vacuum clean them. After cleaning no more dark stains should be visible. Remove remaining deeper stains by applying the paste a second or third time. Clean the joints afterwards and seal them with the natural stone silicone OTTOSEAL®.



OTTO Siloxan 290L

The silicone for surface impregnation



Characteristics

- Ready-to-use silicone surface impregnation
- High penetration depth
- UV-resistant
- Can also be applied on moist substrates (not rain-wet)
- Forms a water- and dirtrepelling surface
- The hydrophobe effect prevents the penetration of moisture from the outside to the inside but it lets the internal moisture escape to the outside.
- Bridges hair cracks up to a width of 0.3 mm
- Reduces the tendency of treated surfaces to pick up dirt
- Avoids humidity in the construction material thus avoids salt efflorescence as well as moss and algae growth



- Low odour
- Colourless
- Slight deepening of colour is possible

Fields of application

- Hydrophobic treatment of façades and building components made of concrete, cellular concrete, fibre cement, brickwork, natural and artificial stone, mineralic plasters and coatings
- Drainage of moist and cracked surfaces, which are then painted using dispersion paints
- Only for vertical surfaces

Colour	51 Tin Canister	101 Tin Canister	251 Tin Canister
colourless	SXN-58	SXN-60	SXN-62
Packaging unit	1	1	1
Pieces per pallet	82	50	24



Additional useful information

Hydrophobizing of façades results in greatly reduced water absorption, good UV-resistance and very good water-repellent effect.

The ready-to-use solution can be applied directly by spraying or painting it on. The substrate should be fairly dry for this treatment.

Adjacent structural elements such as windows, doors, gutters etc. must be covered. Apply in two layers from top to bottom wet-on-wet. The hydrophobed façade is resistant to rain after approximately 24 hours.

The differences in water absorbency are significant:

	Water absorbency untreated	Water absorbency hydrophobed with OTTO Siloxan 290L
Concrete	3%	0.8 %
Sandstone	5%	0.2 %
Lime sandstone	13 %	0.8 %
Limestone	12 %	1.1 %
Clinker brick	3%	0.1 %
Brick	18 %	0.1 %
Tufa	18 %	1.1 %
Mortar	7 %	1.2 %

Approx. average values depending on material quality



Primers/Cleaners

Primers/Cleaners



OTTO Cleanprimer 1101

The adhesion improver

Characteristics

- Cleanprimer to clean and improve the adhesion on coated and non-coated metallic substrates and various plastics (e.g. PVC)
- Ventilation time not required





PR 1102

OTTO Primer 1102

The sandstone primer

- Primer to improve adhesion of OTTOSEAL® S70, S80, S117, S130 and S140 on sandstone
- Airing time at least 15 minutes (max. 3 hours).
- Free of toluol





Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Cleanprimer 1101	PR1101-50	PR1101-51	PR1101-55
Packaging unit	15/Box	15/Box	5/Box
Pieces per pallet	-	-	-

Product/packaging	51 Canister
OTTO Cleanprimer 1101	PR1101-58
Packaging unit	1
Pieces per pallet	82

Product/packaging	100ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Primer 1102	PR1102-50	PR1102-55
Packaging unit	15/Box	5/Box
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PR 1215

OTTO Primer 1105

The universal primer for absorbent substrates

Characteristics

- Primer to improve adhesion on mineral and absobent substrates (e.g. concrete, plaster, fibre cement etc.)
- Airing time at least 30 minutes (max. 3 hours).
- Highly film forming

Fields of application

- Barrier to alkaline surfaces
- Improves the adhesion of OTTO acrylic sealants on mineral materials (e.g. concrete, plaster, cellular concrete, fibre cement, gypsum), as well as on untreated wood and scumbles, on metallic substrates (e.g. anodic oxidation) and some plastics (e.g. PVC)
- Improves the adhesion properties of the 2-component PU foam OTTOPUR OP 920 on heavily absorbent and silted up substrates

OTTO Primer 1215

The silicone primer for absorbent substrates

- Primer to improve adhesion on mineral and absobent substrates (e.g. concrete, plaster, fibre cement etc.)
- Airing time at least 15 minutes (max. 3 hours).
- Only for commercial users. Please observe the material safety data sheet









Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle	1,000ml Alum. Bottle
OTTO Primer 1105	PR1105-50	PR1105-51	PR1105-55
Packaging unit	15/Box	15/Box	5/Box
Pieces per pallet	-	-	-

Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle	1,000ml Alum. Bottle
OTTO Primer 1215	PR1215-50	PR1215-51	PR1215-55
Packaging unit	15/Box	15/Box	5/Box
Pieces per pallet	-	-	-



OTTO Primer 1216

The primer for natural stone and metal

Characteristics

- Primer to improve the adhesion on natural stone, metallic materials and some plastics
- Ventilation time not required on smooth, non absorbent substrates



Fields of application

- Improves the adhesion of OTTO sealants on metallic materials (e.g. stainless steel, anodized aluminium, copper, galvanised steel and chrome) and coated metals (e.g. enamel, non-corrosive steel)
- Improves the adhesion of natural stone silicone S70, S80, S117, S130 and S140 on marble and other natural stones, as well as on artificial stone and concrete block
- Improves the adhesion on some plastics (e.g. PVC) and on scumbles containing solvents



OTTO Primer 1217

The silicone plastic primer

- Primer to improve the adhesion on many plastics.
- No airing time for smooth and non-absorbent substrates; otherwise at least 15 minutes/max. 3 hours
- Only for commercial users. Please observe the material safety data sheet.





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Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle	1,000ml Alum. Bottle
OTTO Primer 1216	PR1216-50	PR1216-51	PR1216-55
Packaging unit	15/Box	15/Box	5/Box
Pieces per pallet	-	-	-

Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Primer 1217	PR1217-50	PR1217-51	PR1217-55
Packaging unit	15/Box	15/Box	5/Box
Pieces per pallet	-	-	-

PR 1225

OTTO Primer 1218

The silicone primer for continuously wet conditions

Characteristics

- Primer to improve the adhesion on absorbent mineral substrates under continuously wet conditions.
- Airing time at least 60 minutes
- Only for commercial users. Please observe the material safety data sheet

Fields of application

- For the swimming pool silicone OTTOSEAL® S18 on mineral materials (e.g. concrete, mortar, grout) and ceramic
- For the food and drinking water silicone OTTOSEAL® S27 on unglazed ceramic surfaces
- For the premium natural stone silicone OTTOSEAL® S70 and S140
- Improves the adhesion of OTTOSEAL® M350 on concrete and plaster

OTTO Primer 1225

The universal primer

Characteristics

- Primer to improve the adhesion on mineral, absorbent and some metallic substrates as well as some kinds of plastics.
- Airing time at least 30 minutes (max. 3 hours).
- Film-forming
- Free of toluol





OTTO

Primer 1218



Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Primer 1218	PR1218-50	PR1218-51	PR1218-55
Packaging unit	15/Box	15/Box	5/Box
Pieces per pallet	-	-	-

Product/packaging	100 ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Primer 1225	PR1225-50	PR1225-55
Packaging unit	15/Box	5/Box
Pieces ner nallet	-	-



OTTO Cleanprimer 1226

The universal cleanprimer

Characteristics

- Cleans and improves the adhesion on non-absorbant substrates (metals, plastics, glass, etc.)
- Ventilation time not required
- Free of toluol

Fields of application

- Improves the adhesion properties of the special silicone OTTOSEAL® S54 on melted asphalt screed
- Improves the adhesion of OTTOCOLL® S81 on PVC

PR 1227

OTTO Primer 1227

The plastic primer

- Primer to improve the adhesion on many plastics
- Airing time at least 30 minutes (max. 3 hours).
- Free of toluol









Product/packaging	100ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Cleanprimer 1226	PR1226-50	PR1226-55
Packaging unit	15/Box	5/Box
Pieces per pallet	-	-

Product/packaging	100ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Primer 1227	PR1227-50	PR1227-55
Packaging unit	15/Box	5/Box
Pieces per pallet	-	-

OTTO Primer 1230

Primer for improving of the paintability of silicone sealants with paints and varnishes

- Primer to improve the paintability of silicone sealants with paints and varnishes.
- Ventilation time not required







Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle
OTTO Primer 1230	PR1230-50	PR1230-51
Packaging unit	15/Box	15/Box
Pieces per pallet	-	-



REC

OTTO Cleaner C

The profile-cleaner





Characteristics

- Cleaning of substrate before adhesion
- Very good cleaning and degreasing effect
- Dries quickly leaving no residue
- Ventilation time not required
- Compatible with conventional powder coatings
- Free of toluol

Fields of application

- Removing of dust, grease or oil films, residues of protection film, fresh PUR-foam and fresh sealant residues
- Removing of fresh PU- and Epoxiresidues on surfaces and working equipment.
- Cleaning of aluminium profiles (plain, anodised aluminium or powder-coated)
- For the cleaning of many surfaces in plastic and metal processing areas

REF

OTTO Cleaner F

The metal cleaner



Characteristics Cleaning metallic materials (plain or powder-coated) of non-cured

- OTTOCOLL® PU adhesive residues Very good cleaning and degreasing effect
- Dries quickly leaving no residue
- Ventilation time not required
- Pleasant odour
- Compatible with conventional powder coatings
- Free of toluol

Fields of application

■ Removing grease or oil films on metallic substrates



Product/packaging	100 ml Alum. Bottle	1,000 ml Alum. Bottle	51 Tin Canister
OTTO Cleaner F	REF-50	REF-55	REF-58
Packaging unit	15/Box	5/Box	1
Pieces per pallet	-	-	82

1,000ml Alum. Bottle	Product/packaging	101 Tin Canister	251 Tin drum	2001 Tin drum
REC-55	OTTO Cleaner F	REF-60	on request	on request
5/Box	Packaging unit	1	1	1
-	Pieces per pallet	50	-	-

Product/packaging	1,000 ml Alum. Bottle
OTTO Cleaner C	REC-55
Packaging unit	5/Box
Pieces per pallet	-

REMP

OTTO Cleaner MP

The equipment cleaner

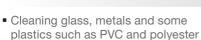


Characteristics

- Removing of non-cured OTTOCOLL® PU adhesive residues on equipment, dosing equipment, hoses, valves etc.
- Very good cleaning and degreasing effect
- Dries quickly leaving no residue
- Ventilation time not required
- Free of toluol



OTTO Cleaner T The standard cleaner



- Very good cleaning and degreasing effect
- Dries quickly leaving no residue
- Ventilation time not required
- Free of toluol





Product/packaging	100 ml Alum. Bottle	250 ml Alum. Bottle	1,000 ml Alum. Bottle
OTTO Cleaner T	RET-50	RET-51	RET-55
Packaging unit	15/Box	15/Box	5/Box
Pieces per pallet	-	-	-

Product/packaging	1,000 ml Alum. Bottle	51 Tin Canister	101 Tin Canister
OTTO Cleaner MP	REMP-55	on request	REMP-60
Packaging unit	5/Box	1	1
Pieces per pallet	-	82	50

Product/packaging	51 Tin Canister	101 Tin Canister	251 Tin drum
OTTO Cleaner T	RET-58	RET-60	on request
Packaging unit	1	1	1
Pieces per pallet	82	50	-



OPCLEAN

OTTOPUR Cleaner

The gun cleaner

Characteristics

Cleaning spray

Fields of application



- Cleaning of used applicator guns
- Very versatile use due to spray head supplied



Product/packaging	500 ml Aerosol can
OTTOPUR Cleaner	OPCLEAN-83
Packaging unit	12/Box
Pieces per pallet	672





Guns

HPS-4T

OTTO Accumulator Gun Type HPS-4T

HPS-6T

OTTO Accumulator Gun Type HPS-6T





Characteristics

- For cartridges and alu-foilbags up to 400 ml (with transport case, quick charger with charge indicator) 10.8 volt (charging time 30 minutes), 2 Li-lon batteries (10.8 volt/1.5 Ah). Weight of gun with battery: approx. 2.2 kg
- Conform to RoHS





Characteristics

- For cartridges and alu-foilbags up to 600 ml (with transport case, quick charger with charge indicator) 10.8 volt (charging time 30 minutes), 2 Li-lon batteries (10.8 volt/1.5 Ah). Weight of pistol with battery: approx. 2.3 kg
- Conform to RoHS



OTTO accessories

OTTO Li-lon battery 10.8 volt/1.5 Ah OTTO Car charger li-lon 12 volt OTTO Quick charger with charge indicator

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OTTO accessories

OTTO Li-lon battery 10.8 volt/1.5 Ah

DTTO Car charger li-lon 12 volt

OTTO Quick charger with charge indicator

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Description	Order code
OTTO Accumulator Gun Type HPS-4T	HPS-4T
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Accumulator Gun Type HPS-6T	HPS-6T
Packaging unit	1
Pieces per pallet	-

AKKU-HPS

LADE-12VOLT

Accessories for OTTO Accumulator Gun Type HPS-4T/-6T OTTO Li-lon battery 10.8 volt/1.5 Ah Accessories for OTTO Accumulator Gun Type HPS-4T/-6T OTTO Car charger li-lon 12 volt





Characteristics

■ Conform to RoHS





- Charging time 30 minutes
- Conform to RoHS

Description	Order code
OTTO Li-lon battery 10.8 volt/1.5Ah	AKKU-HPS
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Car charger li-lon 12 volt	LADE-12VOLT
Packaging unit	1
Pieces per pallet	-

LADE-HPS

Accessories for OTTO Accumulator Gun Type HPS-4T/-6T OTTO Quick charger with charge indicator





Characteristics

- Charging time 30 minutes
- Conform to RoHS

POWER 7000

OTTO Accumulator Gun Power Push 7000MP





Characteristics

- High power accumulator gun for processing side-by-side 490 ml cartridges (with 2 NiMH batteries: 14.4 volt/1.4Ah) and charger: charging time approx. 50 minutes)
- Weight of gun including accumulator: approx. 3.9 kg
- Conform to RoHS



OTTO accessories

OTTO NiMH battery 14.4 volt/1.4 Ah
OTTO Charger 14.4 volt for Power Push 7000 MP
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Description	Order code
OTTO Quick charger with charge indicator	LADE-HPS
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Accumulator Gun Power Push 7000 MP	POWER7000
Packaging unit	1
Pieces per pallet	-

AKKU-POWER 7000

LADE-POWER 7000

Accessories for OTTO Accumulator Gun Power Push 7000MP OTTO NiMH battery 14.4 volt/1.4 Ah Accessories for OTTO Accumulator Gun Power Push 7000 MP OTTO Charger 14.4 volt for Power Push 7000 MP





Characteristics

■ Conform to RoHS





- Charging time approx. 50 minutes
- Conform to RoHS

Description	Order code
OTTO NiMH battery 14.4 volt/1.4Ah	on request
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Charger 14.4 volt for Power Push 7000MP	on request
Packaging unit	1
Pieces per pallet	-

GUX7

OTTO Applicator Gun Guardia X7

ULTRA

OTTO Applicator Gun ULTRA







Characteristics

 High-quality professional gun, non-stick coated. Durable and precise to handle.
 Professional quality. For dosing foam.
 No spare part service



Characteristics

Plastic dosing gun, economy model.
 For dosing foam. No spare part service



OTTO product tip

OTTO product tip

OTTOPUR Cleaner

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OTTOPUR Cleaner

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Description	Order code
OTTO Applicator Gun Guardia X7	GUX7
Packaging unit	1
Pieces per pallet	-

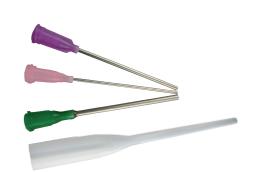
Description	Order code
OTTO Applicator Gun ULTRA	ULTRA
Packaging unit	1
Pieces per pallet	-

IPF NADELN

OTTO Applicator Gun IPF with reducing set

OTTO Reducing set for applicator gun IPF







Characteristics

 Robust and durable dosing gun made of synthetic material. Professional quality.
 For dosing foam. With reducing needles in three sizes (1 mm, 1.5 mm, 2 mm) and dosage tips in one size (2 mm).
 No spare part service.



Characteristics

- Consists of 2x3 needles and 2 dosage tips
- Sizes reducing needles: 1 mm, 1.5 mm, 2 mm
- Dosage tips in one size: 2 mm



OTTO accessories

OTTO Reducing set for applicator gun IPF p. 183



OTTO product tip

OTTOPUR Cleaner p. 175

Description	Order code
OTTO Applicator Gun IPF with reducing set	IPF
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Reducing set for applicator gun IPF	NADELN
Packaging unit	1
Pieces per pallet	-

P310SR

P900

OTTO Compressed Air Gun P310SR

OTTO Compressed Air Gun P900







Characteristics

 Compressed air gun with hose mandrel, pin, pressure regulating valve and without driving rod. For all 290/300/310 ml cartridges. Maximum working pressure: 10 bar



Characteristics

 Compressed air gun with bayonet coupling, without driving rod. For all 290/300/310 ml cartridges. Maximum working pressure: 4.8 bar

Description	Order code
OTTO Compressed Air Gun P310SR	P310SR
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Compressed Air Gun P900	P900
Packaging unit	1
Pieces per pallet	-

P400KB

P600B-2

OTTO Compressed Air Gun P400KB

OTTO Compressed Air Gun P600B-2







Characteristics

 Compressed air gun with optimum centre of gravity. Anodised aluminium tube for cartridges and up to 400 ml aluminium foil bag



Characteristics

 Compressed air gun with optimum centre of gravity. Anodised aluminium tube for up to 600 ml aluminium foil bag. Not suitable for cartridge use.

Description	Order code
OTTO Compressed Air Gun P400KB	P400KB
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Compressed Air Gun P600B-2	P600B2
Packaging unit	1
Pieces per pallet	-

P2x310 PMT

P495DP

OTTO Compressed Air Gun P2x310PMT

OTTO Compressed Air Gun P495DP











Characteristics

- Compressed air gun for the use of twin cartridges 2x190 ml and 2x310 ml with a mixture ratio of 1:1
- Continuously adjustable pressure regulation valve with plug nipple (EU)
- Stable design with closed casing



Characteristics

 Compressed air gun for the use of side-by-side cartridges 490 ml. Special pistol for increased product discharge

Description	Order code
OTTO Compressed Air Gun P2x310PMT	P2x310PMT
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Compressed Air Gun P495 DP	P495DP
Packaging unit	1
Pieces per pallet	-

VENTIL

HAKEN

OTTO Pressure regulating valve

OTTO Ladder hook for hand-operated guns







Characteristics

 Simple and economical pressure reducer. Standard model with pressure gauge. Suitable for all compressed air guns



Description	Order code
OTTO Pressure regulating valve	VENTIL
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Ladder hook for hand-operated guns	HAKEN
Packaging unit	1
Pieces per pallet	-

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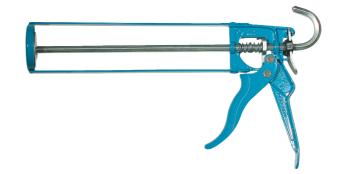
HANDWERKER

SKELETT

OTTO Craftsman's Gun

OTTO Skeleton Gun







Characteristics

 Craftsman's hand operated gun for 290/300/310 ml cartridges. With serrated driving rod. No spare part service



Characteristics

 Craftsman's hand-operated gun for 280/290/300/310 ml cartridges. With smooth driving rod. No spare part service

Description	Order code
OTTO Craftsman's Gun	HANDWERKER
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Skeleton Gun	SKELETT
Packaging unit	1
Pieces per pallet	-

FX7-90 H37

OTTO Hand-operated Gun FX7-90

OTTO Hand-operated Gun H37







Characteristics

Good-value hand-operated gun with rotating shell. For medium and highly viscous adhesives and sealants in 280/290/300/310 ml cartridges. Thrust and drive parts with special along, corrosionresistant. Increased compressive strength of the thrust mechanism with smooth push rod and ladder hook. Rubber handle and trigger. No spare part service



Characteristics

 Heavy duty hand-operated gun made of highly impact-resistant plastic, very lightweight. With closer for sliding sleeve, smooth driving rod and sliding sleeve for 290/300/310 ml cartridges.

Description	Order code
OTTO Hand-operated Gun FX7-90	FX7-90
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Hand-operated Gun H37	H37
Packaging unit	1
Pieces per pallet	-

H40

H40

OTTO Hand-operated Gun

H245

OTTO Hand-operated Gun H245







Characteristics

 Hand-operated gun for rigorous continuous use. For 290/300/310 ml cartridges. With smoothing driving rod. Professional quality



Characteristics

 Hand-operated gun with a press capacity of 5 kN for the application of highly viscous materials. For 280/290/300/310 ml cartridges. With smooth driving rod.

Description	Order code
OTTO Hand-operated Gun H40	H40
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Hand-operated Gun H245	H245
Packaging unit	1
Pieces per pallet	-

H400 CAB

H400 COX

OTTO Hand-operated Gun H400 (Cab)

OTTO Hand-operated Gun H400 (COX)







Characteristics

 Hand-operated gun, economiy model. Aluminium cylinders, for foil bags up to 400 ml. For 290/300/310 ml cartridges. Ladder hook available separately. No spare part service



Characteristics

 Hand-operated gun, aluminium cylinders.
 For foil bags up to 400 ml. For all 290/300/310 ml cartridges. Ladder hook available separately. No spare part service.



OTTO accessories

OTTO Ladder hook for hand-operated guns p. 187



OTTO accessories

OTTO Ladder hook for hand-operated guns

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Description	Order code
OTTO Hand-operated Gun H400 (Cab)	H400CAB
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Hand-operated Gun H400 (COX)	H400COX
Packaging unit	1
Pieces per pallet	-

H400H3P

H600H2P

OTTO Hand-operated Gun H400 (H3P)

OTTO Hand-operated Gun H600 (H2P)







Characteristics

 Hand-operated gun, aluminium cylinder. For foil bags up to 400 ml. For 290/300/310 ml cartridges. Professional quality.



Characteristics

 Hand-operated gun, aluminium cylinder. For foil bags up to 600 ml. For 290/300/310 ml cartridges. Professional quality.

Description	Order code
OTTO Hand-operated Gun H400 (H3P)	H400H3P
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Hand-operated Gun H600 (H2P)	H600H2P
Packaging unit	1
Pieces per pallet	-



H620 COX

OTTO Hand-operated Gun H620(COX)





Characteristics

 Hand-operated gun, aluminium cylinder. For foil bags up to 620 ml. For 290/300/310 ml cartridges. Professional quality. Ladder look available separately. No spare part service.



OTTO accessories

OTTO Ladder hook for hand-operated guns

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Description	Order code
OTTO Hand-operated Gun H620 (COX)	H620COX
Packaging unit	1
Pieces per pallet	-

For possible import restrictions based on chemical inventories see security data sheets. Please observe the technical and security data sheets – www.otto-chemie.com

H2x190B0

OTTO Hand-operated Gun H2x190 (B+O)

H2x310B0

OTTO Hand-operated Gun H2x310(B+O)











Characteristics

 Hand-operated gun for the use of twin cartridges 2x190ml



Characteristics

 Hand-operated gun for the use of twin cartridges 2x310 ml

Description	Order code
OTTO Hand-operated Gun H 2x190 (B+O)	H2x190BO
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Hand-operated Gun H 2x310 (B+O)	H2x310BO
Packaging unit	1
Pieces per pallet	-

H248 H278

OTTO Hand-operated Gun 2KH248

OTTO Hand-operated Gun 2K H278







Characteristics

 Hand-operated gun for the use of OPTU 2x 105 ml twin cartridges. No spare part service.







Characteristics

■ Hand-operated gun for the use of side-by-side cartridges 490 ml

Description	Order code
OTTO Hand-operated Gun 2K H248	H248
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Hand-operated Gun 2K H278	H278
Packaging unit	1
Pieces per pallet	-



Processing equipment/Accessories

Processing equipment/ Accessories



BOYGROSS

BOYKLEIN

OTTO Fugenboy large

OTTO Fugenboy small





Characteristics

- Highly flexible smoothing tool for professionals
- Sizes: 11 mm, 14 mm, 17 mm





- Highly flexible smoothing tool for professionals
- Sizes: 5 mm, 8 mm, round

Description	Order code
OTTO Fugenboy large	BOYGROSS
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Fugenboy small	BOYKLEIN
Packaging unit	1
Pieces per pallet	•

FIX **SPACHT**

OTTO Glättfix

OTTO Smoothing tool





Characteristics

Dimensions approx. 8.5 x 4 cm





Characteristics

■ Dimensions approx. 9x8.5cm

Description	Order code
OTTO Glättfix	FIX
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Smoothing tool	SPACHT
Packaging unit	1
Pieces per pallet	



FUX4

OTTO Fugenfux set of 4





- Smoothing tool made from special plastic for professional jointing
- Sizes: 6.3 mm, 8.3 mm, 10.0 mm, round



Description	Order code
OTTO Fugenfux set of 4	FUX4
Packaging unit	1
Pieces per pallet	-

TEIGGROSS

TEIGKLEIN

OTTO Scraper large

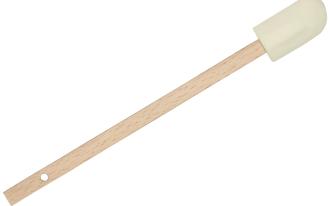
OTTO Scraper small





Characteristics

Size approx. 28 cm





Characteristics

Size approx. 25 cm

Description	Order code
OTTO Scraper large	TEIGGROSS
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Scraper small	TEIGKLEIN
Packaging unit	1
Pieces per pallet	-



SCHNEIDER

OTTO Cartridge cutter

KLINGE

OTTO Spare blade for cartridge cutter







Characteristics

 For the cutting of the threaded nipples of cartridges and nozzles. Blade is stainless and replaceable.

Dimensions approx. 13 x 4 cm



Description	Order code
OTTO Cartridge cutter	SCHNEIDER
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Spare blade for cartridge cutter	KLINGE
Packaging unit	1
Pieces per pallet	-



OTTO Standard nozzle for cartridges 107 mm





Characteristics

■ Nozzles for 290/300/310 ml cartridges

Description	Order code
OTTO Standard nozzle for cartridges 107 mm	DÜSE-STA107
Packaging unit	1
Pieces per pallet	-

DÜSE-STR105

OTTO Nozzle with supporting rim 105 mm

DÜSE-STR175

OTTO Nozzle with supporting rim 175 mm





Characteristics

Nozzles for 290/300/310 ml cartridges



Characteristics

Nozzles for 290/300/310 ml cartridges

Description	Order code
OTTO Nozzle with supporting rim 105mm	DÜSE-STR105
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Nozzle with supporting rim 175 mm	DÜSE-STR175
Packaging unit	1
Pieces per pallet	-

CLIP

CLIPKAPPE

OTTO Clip nozzle transparent without cap

OTTO Clip nozzle transparent with cap





Characteristics

Clipnozzles for 290/300/310 ml cartridges





Characteristics

Clipnozzles for 290/300/310 ml cartridges

Description	Order code
OTTO Clip nozzle transparent without cap	CLIP
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Clip nozzle transparent with cap	CLIPKAPPE
Packaging unit	1
Pieces per pallet	



DÜSE-V-NAHT

DÜSE-FLACH

OTTO V-joint nozzle

OTTO Flat fishtail nozzle







Characteristics

Nozzles for 290/300/310 ml cartridges



- Nozzles for 290/300/310 ml cartridges
- Size of the application opening: width 40 mm x height 2 mm

Description	Order code
OTTO V-joint nozzle	DÜSE-V-NAHT
Packaging unit	10
Pieces per pallet	-

Description	Order code
OTTO Flat fishtail nozzle	DÜSE-FLACH
Packaging unit	10
Pieces per pallet	-

DÜSE-163

DÜSE-KURZALU

OTTO Nozzle no. 163

OTTO nozzle short for 1,000 ml aluminium cartridge





Characteristics

For guns H400 (H3P) and H600 (H2P)





Characteristics

■ Nozzle for 1,000 ml aluminium cartridges

Description	Order code
OTTO Nozzle no. 163	DÜSE-163
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO nozzle short for 1,000ml aluminium cartridge	DÜSE-KURZALU
Packaging unit	1
Pieces per pallet	-



DÜSE-FB120

DÜSE-FB150

OTTO Nozzle for foil bags standard 120 mm

OTTO Nozzle for foil bags long 150 mm





Characteristics

Nozzles for 400/580/600 ml aluminium foil bags





Characteristics

 Nozzles for 400/580/600 ml aluminium foil bags

Description	Order code
OTTO Nozzle for foil bags standard 120mm	DÜSE-FB120
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Nozzle for foil bags long 150mm	DÜSE-FB150
Packaging unit	1
Diaces ner nallet	_

V-KAPPE

W-STÜCK

OTTO Screw cap for cartridge

OTTO Corner piece





Characteristics

For 290/300/310 ml cartridges





Characteristics

• for 290/300/310 ml cartridges

Description	Order code
OTTO Screw cap for cartridge	V-KAPPE
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Corner piece	W-STÜCK
Packaging unit	1
Pieces per pallet	-



DÜSE-MK5-C01

Accessories for COX hand-operated guns OTTO Nozzle MK5 white

DÜSE-MK5-C02

Accessories for COX hand-operated guns OTTO Nozzle MK5 grey





Characteristics

- For COX-pistols H400/620 COX
- Additionally needed nozzle holder MK1





Characteristics

- For COX-pistols H400/620 COX
- Additionally needed nozzle holder MK1



OTTO accessories

OTTO Nozzle holder MK1

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OTTO accessories

OTTO Nozzle holder MK1

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Description	Order code
OTTO Nozzle MK5 white	DÜSE-MK5-C01
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Nozzle MK5 grey	DÜSE-MK5-C02
Packaging unit	1
Diaces ner nallet	_

D-HALTER-MK1

MK1-ADAPTER

Accessories for COX hand-operated guns OTTO Nozzle holder MK1

Accessories for COX hand-operated guns OTTO MK 1-adapter for cartridge nozzles







Characteristics

- For COX-pistols H400/620 COX
- Is necessary when using nozzle MK5



Characteristics

 Adapter for the use of cartridge nozzles in combination with COX-pistols H 400/620 COX. Nozzle holder MK1 also necessary



Additional useful information

for the following products:

OTTO Hand-operated Gun H 400 (COX)

OTTO Hand-operated Gun H 620 (COX)

OTTO Nozzle MK5 white

OTTO Nozzle MK5 grey

OTTO MK1-adapter for cartridge nozzles

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OTTO accessories

OTTO Nozzle holder MK1

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Description	Order code
OTTO Nozzle holder MK1	D-HALTER-MK1
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO MK1-adapter for cartridge nozzles	MK1-ADAPTER
Packaging unit	1
Pieces per pallet	-

MFHX 13-18T

OTTO Static mixing nozzle MFHX 13-18T

for side-by-side cartridges





Characteristics

- Static mixing nozzles for the processing of 2-component hybrid products
- System 10:1, Mixpac F-System connection
- with stepped tip, inner $\emptyset = 4 \,\mathrm{mm}$
- Length: 225 mm



OTTO Static mixing nozzle MFQX5-24L

for side-by-side cartridges

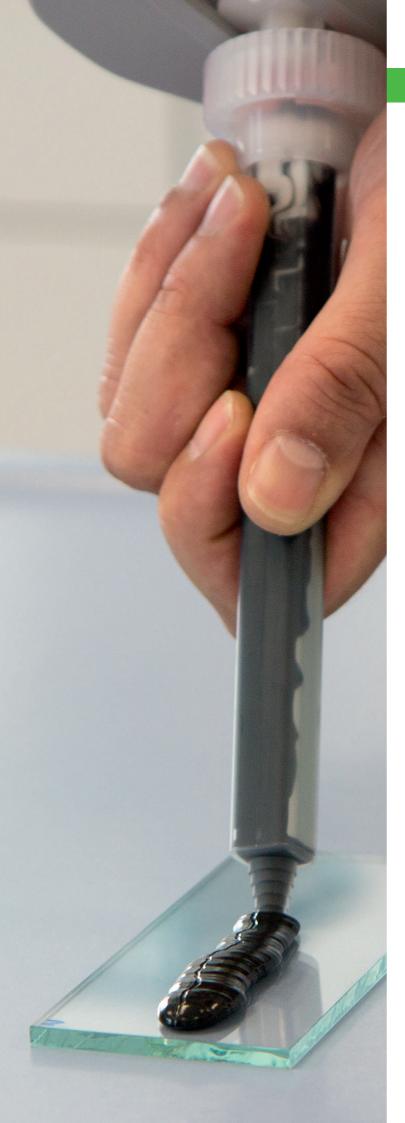




- Static mixing nozzles for the processing of 2-component silicone products
- System 10:1, Mixpac F-System connection
- 24 mixing elements, with straight tip, inner Ø = 1.8 mm
- Length: 122 mm
- Processing only with compressed air gun

Description	Order code
OTTO Static mixing nozzle MFHX13-18T	MFHX13-18T
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Static mixing nozzle MFQX5-24L	MFQX5-24L
Packaging unit	1
Pieces per pallet	-



MFQX 10-24T

OTTO Static mixing nozzle MFQX 10-24T

for side-by-side cartridges





- Static mixing nozzles for the processing of 2-component silicone products
- System 10:1, Mixpac F-System connection
- 24 mixing elements, with stepped tip
- Length: 170 mm

Description	Order code
OTTO Static mixing nozzle MFQX10-24T	MFQX10-24T
Packaging unit	1
Pieces per pallet	-

KWM 10

OTTO Static mixing nozzle KWM 10

for twin cartridges





Characteristics

- Static mixing nozzles for processing of our OTTOCOLL® P520SP5276
- System 1:1, cup connection with internal thread
- 10 mixing elements
- Inner Ø = 5.8 mm
- Length: 217 mm, with scale for shortening every 15 mm



OTTO Static mixing nozzle KWM 18K

for twin cartridges





- Static mixing nozzles for the processing of our OTTOCOLL® P520, its SP versions and OTTOCOLL® M 580
- System 1:1, cup connection with internal thread
- 18 mixing elements
- conical tip, inner $\emptyset = 3 \, \text{mm}$
- Length: 217 mm

Description	Order code
OTTO Static mixing nozzle KWM10	KWM10
Packaging unit	10
Pieces per pallet	-

Description	Order code
OTTO Static mixing nozzle KWM18K	KWM18K
Packaging unit	10
Pieces per pallet	-

MGQ 10-19D

RWM 14G

OTTO Static mixing nozzle MGQ 10-19D

for twin cartridges





Characteristics

- Static mixing nozzles for the processing of our OTTOCOLL® M 580
- System 1:1, cup connection with internal thread
- 19 mixing elements, green with wall, with straight tip, inner Ø = 5 mm
- Length: 157 mm



for twin cartridges





Characteristics

- Static mixing nozzles for the processing of our OTTOCOLL® P520 and its SP versions
- System 1:1, cup connection with internal thread
- 14 mixing elements, black
- Inner $\emptyset = 6.8 \,\mathrm{mm}$
- Length: 214 mm, with scale for shortening every 10 mm

Description	Order code
OTTO Static mixing nozzle MGQ10-19D	MGQ10-19D
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Static mixing nozzle RWM14G	RWM14G
Packaging unit	1
Pieces per pallet	-

MISCHER-TURBO

OTTO Static mixing nozzles 2-component PU

for twin cartridges





Characteristics

- Static mixing nozzles for the processing of our OTTOPUR Turbo
- System 1:1
- 24 mixing elements, transparent
- Inner $\emptyset = 5 \,\text{mm}$
- Length: 230 mm

GEWINDE

OTTO Srew-on adapter for static mixing nozzle MFQX 10-24T + MGQ 10-16D + MGQ 10-19D



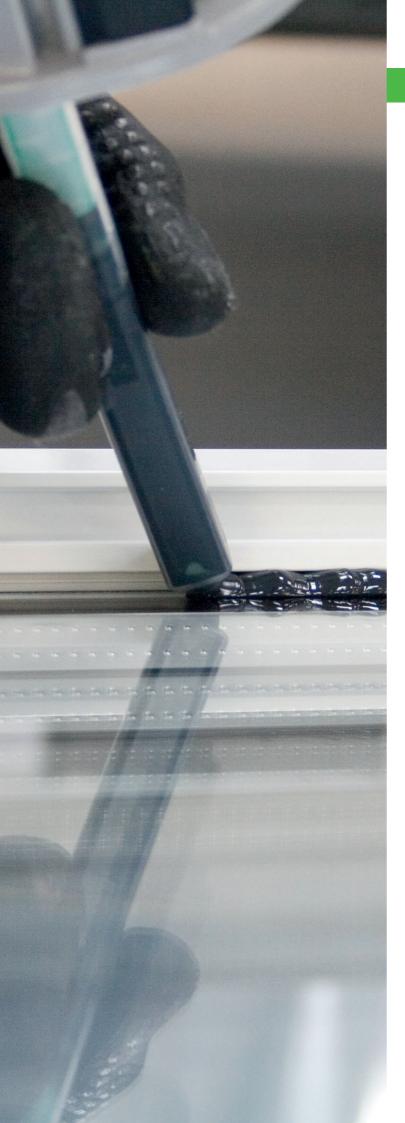


Characteristics

 Adapter with internal thread for screwing onto graded and straight tip of OTTO static mixing nozzles MFQX10-24T, MGQ10-16D, MGQ10-19D and external thread for OTTO standard cartridge nozzle 107 mm or OTTO Flat fishtail nozzle

Description	Order code
OTTO Static mixing nozzles 2-component PU	MISCHER-TURBO
Packaging unit	1
Pieces per pallet	-

Description		PE bag
OTTO Srew-on adapter for static mixing nozzle	GEWINDE1	GEWINDE25
Packaging unit	1	25
Pieces per pallet	-	-



HAHN

OTTO Drain cock 2" with venting (AERO FLOW)





Characteristics

■ For 30-, 50- and 200-litre drum with tap hole

Description	Order code
OTTO Drain cock 2" with venting (AERO FLOW)	HAHN
Packaging unit	1
Pieces per pallet	-



ORDNER

STÄNDER

OTTO Colour folder OTTOSEAL® S 70 & S 100

OTTO Cartridge stand





Characteristics

- The colour folder contains aal on-stock colours of our premium bathroom silicone OTTOSEAL® S 100 and our premium natural stone silicone OTTOSEAL® S 70
- A free subscription for new swatch cards in case of colour additions is included in the price





Characteristics

- Can hold 8x13 = 104 cartridges
- Dimensions 48x62x42cm (BxHxT)
- Offers two areas to place advertising stickers
- Suited also for cartridges with clipped nozzles

Fields of application

 Presentation of OTTO cartridges in sales areas, on counters and on shelfs

Description	Order code
OTTO Colour folder OTTOSEAL® \$70 & \$100	ORDNER
Packaging unit	1
Pieces per pallet	-

Description	Order code
OTTO Cartridge stand	STÄNDER
Packaging unit	1
Pieces per pallet	-



Tapes/Cords

10 Tapes/Cords



BKA

OTTOTAPE Trio-BKA

The multifunctional sealing tape for RAL assembly





Characteristics

- Polyurethane foam, saturated with modified acrylic resin impregnation
- Impregnated multifunctional sealing tape self-adhesive on one side for fast mounting
- Stretches inside the joint to its final thickness
- Driving rain resistant, thermal insulating and airtight product
- Tighter inside than outside, according to the current state of technology
- Can be covered with plaster and painted
- According to building material class B2

Fields of application

- Structural connection according to the window and door mounting regulations
- For the sealing of joints around doors and windows. (For the sealing of parapets we recommend the smaller OTTOTAPE Trio-FBA or OTTO Window Tapes)
- Time and cost saving window mounting in one work process

Standards and tests

- General building inspection certificate normal inflammable building material (B2) according to DIN 4102-1
- Testing of water vapour impermeability (MPA Hannover)
- Testing of air impermeability and driving rain resistance (exterior component) (MPA Hannover)
- Testing of air impermeability (interior component) (MPA Hannover)
- Pollution test Analytik Aurachtal (Laboratory for chemical and physical services)
- Suitable for applications according to IVD instruction sheet no. 24+26+35 (IVD = German industry association sealants)

Depth of outer frame in mm	Tape width in mm	Operating sphere joint width in mm	Roll length in m	Content of box in m	Order code
60	58	5–10	8	48	on request
60	58	7–15	6	36	BKA-60/7-15
60	58	10–20	4.5	27	on request
70	66	5–10	8	40	on request
70	66	7–15	6	30	BKA-70/7-15
70	66	10–20	4.5	22.5	BKA-70/10-20
80	76	5–10	8	32	on request
80	76	7–15	6	24	BKA-80/7-15
80	76	10–20	4.5	18	on request



OTTO accessories

To protect partially used reels of OTTOTAPE Trio-BKA from inadvertent unwinding, they should be kept in place by means of the OTTOTAPE TRIO restraining belt.



Description	Dimension length/width in cm	Order code
OTTOTAPE Trio restraining belt	70/5	GURT
Packaging unit		1
Pieces per pallet		_

FBA

OTTOTAPE Trio-FBA

The multifunctional sealing tape for joining the window sill to the window frame





Characteristics

- Polyurethane foam, saturated with modified acrylic resin impregnation
- Impregnated multifunctional sealing tape self-adhesive on one side for fast mounting
- Stretches inside the joint to its final thickness
- Driving rain resistant, thermal insulating and airtight product
- Tighter inside than outside, according to the current state of technology
- Can be covered with plaster and painted
- According to building material class B2

Fields of application

- Structural connection according to the window and door mounting regulations
- For the sealing of joints of windows in the parapet field. (For the sealing of the upper and side joints we recommend OTTOTAPE Trio-BKA.)
- Time and cost saving window mounting in one work process

Standards and tests

 Suitable for applications according to IVD instruction sheet no. 24+26+35 (IVD = German industry association sealants)

Installation depth of the base profile in mm	Tape width in mm	Operating sphere joint width in mm	Roll length in m	Content of box in m	Order code
30	30	5–10	8	80	on request
30	30	7–15	6	60	FBA-30/7-15
30	30	10-20	4.5	45	on request
35	35	7–15	6	54	FBA-35/7-15
40	40	7–15	6	48	on request



OTTO accessories

To protect partially used reels of OTTOTAPE Trio-FBA from inadvertent unwinding, they should be kept in place by means of the OTTOTAPE TRIO restraining belt.



Description	Dimension length/width in cm	Order code
OTTOTAPE Trio restraining belt	70/5	GURT
Packaging unit		1
Pieces per pallet		-

BAB/A

OTTO Window Tape Outside

The window tape for mounting according to RAL-guideline



Width of tape	Content of box in m	Order code
70 mm	200 m (5 x 40 m)	BAB/A-70
100mm	120m (3 x 40m)	BAB/A-100
150 mm	80m (2 x 40m)	BAB/A-150



OTTOSEAL® M360 p. 45 OTTOCOLL® A770 p. 95



Characteristics

- Fleece covered tape with good flexibility
- High vapour permeability
- Can be covered with plaster and painted

Fields of application

- Structural connection according to the window and door mounting regulations
- Sealing of joints around windows and doors in exterior areas
- Levelling of irregularities by bonding with the highly pasty dispersion acrylic OTTOCOLL® A770 in the window case

Standards and tests

- Conform to the window and door mounting regulations and is closed to vapour diffusion according to DIN EN ISO 12572
- Test certificate of the Office for material testing North-Rhine-Westphalia, Germany (MPA NRW)

BAB/I

OTTO Window Tape Inside

The window tape for mounting according to RAL-guideline



Width of tape	Content of box in m	Order code
70mm	200 m (5 x 40 m)	BAB/I-70
100 mm	120m (3 x 40m)	BAB/I-100
150 mm	80 m (2 x 40 m)	BAB/I-150



OTTOSEAL® M360 p. 45 OTTOCOLL® A770 p. 95



Characteristics

- Fleece covered tape with good flexibility
- Low vapour permeability
- Can be covered with plaster and painted

Fields of application

- Structural connection according to the window and door mounting regulations
- Sealing of joints around windows and doors in interior areas
- Levelling of irregularities by bonding with the highly pasty dispersion acrylic OTTOCOLL® A 770 in the window case

Standards and tests

- Conform to the window and door mounting regulations and is closed to vapour diffusion according to DIN EN ISO 12572
- Test certificate of the Office for material testing North-Rhine-Westphalia, Germany (MPA NRW)



D-25-I

OTTOTAPE D-25-I Duct

The adhesive film tape for vapour retarders and vapour barriers



Colour	Packaging units 60mm wide
green	D-25-I
Packaging unit	10 25-metre rolls/box
Pieces per pallet	-



OTTOCOLL® P270 p. 112



Characteristics

- Single-sided adhesive foil tape
- With laid scrims, tape stretchable in cross direction
- Thick adhesive layer (220 g/m²)
- Processing temperature up to -10 °C
- Very strong adhesive force on all rough substrates
- Ageing resistant
- Very low vapour sensitivity

Fields of application

- Sealing of ducts on chimneys, ventilation pipes, beams etc.
- For a permanently airtight sealing in compliance with DIN 4108-7
- Overlapping bonding of vapour retarders, vapour barriers and insulating materials according to DIN 4108-7
- Joint bonding on wood panels
- Not suitable for sauna and swimming pools

E-40-I

OTTOTAPE E-40-I Overlapping

The adhesive tape for vapour retarders and vapour barriers



Colour	Packaging units 60 mm wide
yellow	E-40-I
Packaging unit	8 40-metre rolls/box
Pieces per pallet	-



OTTOCOLL® P270

p. 112



Characteristics

- Single-sided, solvent-free adhesive tape
- Kraft paper tape, can be torn by hand
- Thick adhesive layer (220 g/m²)
- Processing temperature up to -10°C
- Very strong adhesive force on all rough substrates
- Ageing resistant
- Almost completely resistant to moisture

Fields of application

- For a permanently airtight sealing in compliance with DIN 4108-7
- Overlapping bonding of vapour retarders, vapour barriers and insulating materials according to DIN 4108-7
- Joint bonding on wood panels
- Not suitable for sauna and swimming pools



OFB

OTTO Jointing tape BG1

The precompressed jointing tape





Characteristics

- Impregnated foam tape, self-adhesive on one side
- Stretches slowly inside the joint to its final thickness
- Forms a driving rain resistant joint according to DIN 18542
- Good UV-resistance
- Flame resistant
- Protects against moisture and dust, heat loss, noise etc.
- Compatible with concrete, cellular concrete, bricks, sandlime brick, iron, zinc, steel, galvanised sheet metal, aluminium, copper, wood and unplasticized PVC

Fields of application

- Sealing of joints
- Joint between masonry and door or window frames
- Joint between masonry and concrete pillars, gable and roofing panels, sheet metal window sills, expanding joints, sheet pile profiles and corrugated panels

Standards and tests

- BG1 according to DIN 18542
- Driving rain resistant up to 600 Pa according to DIN EN ISO 1027
- Compatible with general construction material according to DIN 18542
- General building inspection certificate: Tested and monitored (MPA BUA Hannover, Germany) – flame-resistant building material (building material class B1) according to DIN 4102-1
- Suitable for applications according to IVD instruction sheet no. 11+24+26+31+32+35 (IVD = Germanindustry association sealants)
- French VOC-emission class A+

Joint depth in mm	Width of Joints in mm	Roll length in m	Content of box in m	Minimum quantity in m	Order code
10	2	12.5	137.5	137.5	OFB-10/2
10	3	10.0	110.0	110.0	OFB-10/3
10	3–6	8.0	88.0	88.0	OFB-10/4
15	2	12.5	87.5	87.5	OFB-15/2
15	3	10.0	70.0	70.0	OFB-15/3
15	3–6	8.0	56.0	56.0	OFB-15/4
15	5–9	5.6	39.2	39.2	OFB-15/6
20	2	12.5	62.5	62.5	OFB-20/2
20	3	10.0	50.0	1,000.0	on request
20	3–6	8.0	40.0	40.0	OFB-20/4
20	5–9	5.6	28.0	28.0	OFB-20/6
20	7–12	4.3	21.5	21.5	OFB-20/8
25	7–12	4.3	17.2	344.0	on request
25	9–16	3.3	13.2	13.2	OFB-25/10
30	9–16	3.3	9.9	217.8	on request
30	10-18	4.5	36.0	36.0	OFB-30/12



ODB

OTTO Insulating tape BG2

The precompressed insulating tape





Characteristics

- Impregnated foam tape, self-adhesive on one side
- Stretches slowly inside the joint to its final thickness
- Forms a driving rain resistant joint according to DIN 18542
- Good UV-resistance
- Protects against moisture and dust, heat loss, noise etc.
- Compatible with concrete, cellular concrete, bricks, sandlime brick, iron, zinc, steel, galvanised sheet metal, aluminium, copper, wood and unplasticized PVC

Fields of application

- Sealing of joints against sound, driving rain, dust, draft and heat loss.
- Especially suitable for joint constructions as in e.g. coupled windows, hidden window joints to define a boundary for sealants

Standards and tests

- BG 2 according to DIN 18542
- Driving rain resistant up to 600 Pa according to DIN EN ISO 1027
- Compatible with general construction material according to DIN 18542
- General building inspection certificate normal inflammable building material (B2) according to DIN 4102-1
- Suitable for applications according to IVD instruction sheet no. 24+26+31+32+35 (IVD = German industry association sealants)
- French VOC-emission class A+

Joint depth in mm	Width of Joints in mm	Roll length in m	Content of box in m	Minimum quantity in m	Order code
10	2	12.5	137.5	2,475.0	on request
10	3	10.0	110.0	1,980.0	on request
10	3-6	8.0	88.0	1,584.0	on request
15	2	12.5	87.5	1,575.0	on request
15	3	10.0	70.0	70.0	ODB-15/3
15	3–6	8.0	56.0	56.0	ODB-15/4
15	5–9	5.6	39.2	39.2	ODB-15/6
20	2	12.5	62.5	1,250.0	on request
20	3	10.0	50.0	50.0	ODB-20/3
20	3–6	8.0	40.0	40.0	ODB-20/4
20	5–9	5.6	28.0	28.0	ODB-20/6
20	7–12	4.3	21.5	21.5	ODB-20/8
25	9–16	3.3	13.2	264.0	on request
30	9–16	3.3	9.9	217.8	on request
30	10-18	6.5	65.0	2,145.0	on request



FLB

OTTO Flexi tape

The glazing tape for insulating glass





Characteristics

- PE flexible foam tape
- Reinforced for tensile strength
- Closed-cell
- Ageing resistant
- Compatible with OTTO silicone sealants
- Available with or without removable strip

Fields of application

 Used as a glazing tape for insulating glass in accordance with the Rosenheim specifications

Standards and tests

■ French VOC-emission class A+

	Packag small	ing unit large	Roll length	OTTO Flexi Tape with removal str	
Dimensions	RM	RM	in m	anthracite	white
6x2mm	100	1,500	20	on request	on request
8x2mm	100	1,500	20	on request	on request
9x2mm	100	1,500	20	FLBM-9x2-C67	FLBM-9x2-C01
9x3mm	100	1,500	20	FLBM-9x3-C67	FLBM-9x3-C01
9x4mm	50	1,500	10	FLBM-9x4-C67	FLBM-9x4-C01
9x5mm	50	1,500	10	on request	on request
9x6mm	50	1,000	10	on request	on request
12x2mm	100	1,500	20	FLBM-12x2-C67	on request
12x3mm	100	1,500	20	FLBM-12x3-C67	on request
12x4mm	50	1,500	10	FLBM-12x4-C67	on request
12x5mm	50	1,000	10	on request	on request
15x2mm	100	1,500	20	FLBM-15x2-C67	on request
15x3mm	100	1,500	20	on request	on request
50x5mm	50	350	10	on request	on request

	Packag small	ing unit large	Roll length	OTTO Flexi Tape without removal	
Dimensions	RM	RM	in m	anthracite	white
6x2mm	100	1,800	20	on request	on request
8x2mm	100	1,400	20	on request	on request
9x2mm	100	1,400	20	FLBO-9x2-C67	on request
9x3mm	100	1,400	20	FLBO-9x3-C67	on request
9x4mm	50	1,400	10	on request	on request
9x5mm	50	1,400	10	on request	on request
9x6mm	50	1,400	10	on request	on request
12x2mm	100	1,400	20	FLBO-12x2-C67	on request
12x3mm	100	1,400	20	FLBO-12x3-C67	on request
12x4mm	50	1,400	10	on request	on request
12x5mm	50	1,000	10	on request	on request
15x2mm	100	1,400	20	on request	on request
15x3mm	100	1,400	20	on request	on request
50x5mm	50	350	10	on request	on request

Other measurements "on request" in large boxes only!



FIXBA

OTTOTAPE Fixing tape

The double-sided adhesive fixing tape



Dimensions	Roll length in m	Content of box in m	Order code
10 x1 mm	25	250	FIXBA



Characteristics

- Double sided pure acrylate PE foam strip
- Excellent weathering, ageing and UV-resistance
- Extreme plasticizer resistance. The polyethylene foam stays permanently flexible.
- Very good adhesion on flat surfaces
- A high level of initial tack provides an adequate level of application safety directly after application.
- Does not damage the mirror coating
- Vibration dampening and stabilizing with different expansivities of join partners

Fields of application

- Initial fixing during adhering of wing-concealing door fillings with OTTOCOLL® M580 or OTTOCOLL® S81.
- Supporting fixing during adhering of mirrors.
- Installation of PVC sash bars



PE

OTTOCORD PE-B2

The closed-cell PE back-up foam rod





Characteristics

- Extruded backfilling material made of polyethylene (PE)
- For application in interior and exterior
- Closed-cell according to DIN 18540
- Water-repellent
- Normally flammable

Fields of application

- Backfilling of joints in interior and exterior areas
- For building construction joints according to DIN 18540

Standards and tests

■ Tested fire behaviour: normal inflammable building material (class E according to DIN EN 13501-1)

Diameter	PE bag with Euro perforation in m	Order code
6mm	5	PE-6-5
8mm	5	PE-8-5
10mm	5	PE-10-5
13mm	5	PE-13-5
15mm	5	PE-15-5

Diameter	Single box in m	Order code	
6mm	100	PE-6-100	_
8mm	100	PE-8-100	
10 mm	100	PE-10-100	
13 mm	100	PE-13-100	
15 mm	100	PE-15-100	
20mm	50	PE-20-50	
25 mm	50	PE-25-50	
30mm	25	PE-30-25	
40mm	135*	PE-40-135	
50 mm	90*	PE-50-90	

Please order per box! *Pieces per meter



PUR-H

OTTOCORD PUR-H-B3

The open-cell PUR back-up foam rod soft



Diameter	Content of box in m	Order code
10 mm	1,500 x 1	PUR-H-10
15mm	1,000 x 1	PUR-H-15
20 mm	500 x 1	PUR-H-20
25 mm	300 x 1	PUR-H-25
30mm	200 x 1	PUR-H-30
35 mm	180 x 1	on request
40 mm	100 x 1	PUR-H-40
50 mm	100 x 1	PUR-H-50
60mm	50x1	on request
80mm	25 x 1	on request



Characteristics

- Backfilling material made of polyurethane
- For application in interior areas
- According to the building material class B3

Fields of application

Backfilling of joints in interior areas



PUR-HS

OTTOCORD PUR-HS-B3

The open-cell PUR back-up foam rod firm



Diameter	Content of box in m	Order code	
10 mm	1,500 x 1	PUR-HS-10	
15 mm	1,000 x 1	PUR-HS-15	
20mm	500x1	PUR-HS-20	
25 mm	300 x 1	PUR-HS-25	
30 mm	200x1	PUR-HS-30	
35 mm	180 x 1	on request	
40mm	100x1	PUR-HS-40	
50mm	100x1	on request	
60 mm	50 x 1	on request	



Characteristics

- Backfilling material made of polyurethane
- For application in interior areas
- Firm and rigid quality
- According to the building material class B3

Fields of application

■ Backfilling of joints in interior areas

Product categories

Sealant

Silicone	acetate	S25 S27 S28 S50 S69 S100 S105		
	neutral-oxime	S7 S9 S10 S17 S18 S34 S68 S70 S94 S110 S113 S115 S117 S140 S730		
	neutral-alkoxy	\$72 \$112 \$120 \$121 \$125 \$130 \$610		
	amine/amine-oxime	S51 S54		
PU		P300 P305 P720		
Hybrid		M350 M360 M380		
Acrylic		A205 A207 A210 A215 A221 A225 A710		
Miscellaneous		A250		

Adhesive

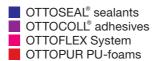
Silicone	S16 S610
PU	P83 P84 P85 P86 P270 P340 P410 P520
Hybrid	M500 M501 M540 M550 M560 M570 M580 M590
Acrylic	A265 A770

Bathroom facilities sealing

Surface sealing	OFS/OAB OFS/ODS OFS/OFF OFS/OFH OFS/OFV OFS/OTG
Tapes	OFS/OFD OFS/OTO OFS/SCHALL OFS/SCHUTZ OFS/WRD
Sleeves	OFS/OFAE OFS/OFBM OFS/OFDM OFS/OFIE OFS/OFWM

PU-foams

OP910 OP920 OP930 OP940 OPTU



34	Smoothing agents
92	Accessory products
122	Primers/Cleaners
144	Guns



196

220

Acid resistant - sealing	S34
Acrylic (bath-) tubs - sealing	S70 - S80 - S100 - S105 -
3	S110 - S115 - S121 - S125 -
	S130 - S140
Acrylic glass (Plexiglas®) -	S72
ealing	
Adhesive tapes	D-25-I - E-40-I
Air-conditioning systems -	M350 - M380 - M500 -
ealing	M570 - M580 - P83 - S68 -
Manus Attua a a Bura ta	S69
Alternative sealing in	OFS
noisture prone rooms and pathrooms	
Aluminium - bonding	M500 - M551 - M591 -
addinate boliding	M501 - M502 - M560 -
	M580 - P83 - P85 - P340 -
	P341 - P410 - P520 - S10 -
	S610
Numinium - sealing	M350 - M360 - P300 - P305 -
	S110 - S115 - S120 - S125
angled/roof windows	S7 - S10 - S610
nodized aluminium -	M500 - M551 - M591 -
onding	M501 - M502 - M550 -
	M560 - M580 -S610
nodized aluminium - sealing	M360 - S110 - S115 - S120 - S125
quaria - bonding and ealing	S28
Artificial concrete stone -	S80 - S70
ealing	000 0.0
rtificial stone - sealing	S70 - S80 - S117 - S130 -
· ·	S140
3	
ath tubs - sealing	S70 - S80 - S100 - S105 -
	S110 - S115 - S121 - S125 -
	S130 - S140
Bathroom joints - elastic	S70 - S80 - S100 - S105 -
ealing	S110 - S115 - S121 - S125 -
	S130 - S140
Batten - bonding	A265 - A266 - M500 - M551 -
	M591 - M501 - M502 -
	M540 - M550 - M560 - P85 -
itumen raile cooling	P410 -S610
litumen rails - sealing	A250 S17 - S25
oiler - sealing	S17 - S25 S50
landing glace display	330
abinets	\$50
abinets onding shop windows	S50 P300 - P305 - M350 - M360 -
sonding glass display abinets sonding shop windows trass - sealing	P300 - P305 - M350 - M360 -
abinets onding shop windows	S50 P300 - P305 - M350 - M360 - S110 - S115 - S120 - S125 OP910 - OP920 - OP930 -

Building construction joints - sealing	M360 - P300 - P305
С	
Cable ducts - bonding	A265 - A266 - M500 - M551 - M550 - M560 - P85 - P340 - P341
Car body joints - sealing	M500 - M501 - M550 - M570 - M580 - P83
Caravan construction	M350 - M500 - M551 - M550 - M560 - M570 - M580 - M590 - M591 - P83 - P410 - S110 - S610
Caravans and campers - construction	M350 - M500 - M551 - M550 - M560 - M570 - M580 - M590 - M591 - P83 - P410 - S110 - S610
Cast member parts of boilers - sealing	S17 - S25
Cavities - filling	OP910 - OP920 - OP930 - OP940 - OPTU
Cavities - foaming	OP910 - OP920 - OP930 - OP940 - OPTU
Ceiling profiles - bonding	M500 - M551 - M501 - M502 - M550 - M560 - P83
Ceramic tile facades - sealing Ceramique floors - sealing	\$100 \$100 - \$105 - \$110 - \$115 - \$120 - \$121 - \$125 - \$130 - \$140
Chemical resistant sealant	S34
Chimney parts - sealing	S17 - S25
Chipboards - bonding	P85 - P410
Chrome - sealing	M350 - M360 - M500 - P300 - P305 - S110 - S115 - S120 - S125
Clean rooms - sealing	S51 - S68 - S69
Climatisation systems - sealing	S72
Compatible with paints according to DIN 52452 - Sealants	A205 - A207 - A210 - A215 - A225 - P270 - M350 - M360 - M500 - P83 - P300 - P305 - P720
Composite panels - bonding	M500 - M551 - M591 - P84 - P410
Concrete joints - sealing	M360 - P300 - P305 - S110 - S120 - S115
Connection joints - sealing	A205 - A207 - A210 - A710 - P720 - S730 - BAB/I - BAB/A - A770 - M350 - M360 - P300 - P305 - S100 - S110 - S115 - S120 - S125 - OFB
Container construction	M500 - M551 - M501 - M502 - M560 - P410

Copper - bonding	M500 - M551 - M591 -	Foaming of cavities and wall	OP910 - OP920 - OP930 -
5	M501 - M502 - M550 -	openings	OP940 - OPTU
	M560 - M570 - M580 - P85 -	Foil sheets' adhesive	P270
	P340 - P341 - S610	Frameless aquaria - bonding	S28
Copper sheets - sealing M350 - M360 - P300 - P305 -		and sealing	
	S110 - S115 - S120 - S125	Frames - mounting	OP910 - OP920 - OP930 -
Cork - bonding	M500 - M551 - M591 -		OP940 - OPTU
	M501 - M502 - M550 -	Full glass aquaria -	S28
	M560 - P85 - P340 - P341 -	construction and sealing	
	P520	Full surface adhesives	P410 - M590 - M591
Corner bracket - bonding	P86 - P	Full surface sanitary	OFS
Corner connections -	P86 - P520	sealing	
bonding		Fungicide containing -	M380 - S18 - S68 - S70 -
Cotto slabs - sealing S70 - S80 - S100 - S130 sealants		sealants	S80 - S100 - S105 - S110 -
Cracks - bridging and filling	A215 - A205 - M360		S115 - S117 - S120 - S121 -
_			S125 - S130 - S140 -
D			S730
Dairies earling	S27 - S130		
Dairies - sealing Decorative boards - bonding		G	
Degreasing paste - migratory		Galvanised iron	M360 - S110 - S115 -
staining	SIEA	Galvariised iron	S120 - S125
Door frames - mounting	M360 - OP910 - OP920 -	Galvanised steel - bonding	M500 - M551 - M591 -
Door frames - mounting	OP930 - OP940 - OPTU		
Door parts - bonding	M500 - M551 - M570 -		M501 - M502 - M540 - M550 - M560 - P85 -
Door parts - boriding	M580 - P410 - P520		P340 - P341
Door rabbets - sealing	S70 - S80 - S110	Garden furniture - bonding	P84
Drinking water tanks - sealing		Glass - bonding	S10 - S50 - S610
Driving rain - resistant sealing		Glass bricks - sealing and	S18 - S28 - S100
Driving rain resistant seaming	1720 0700 013	bonding	010 020 0100
E		Glass facades - sealing	S7 - S10
L			
Fnamelled glass - bonding	M500 - S16	Glass fibre reinforced plastics	A265 - A266 - M500 -
Enamelled glass - bonding Fnamelled glass - sealing	M500 - S16 S70 - S80		A265 - A266 - M500 - M540 - M550 - M551 -
Enamelled glass - sealing	S70 - S80	Glass fibre reinforced plastics	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 -
	S70 - S80 A265 - A266 - M500 - M551 -	Glass fibre reinforced plastics	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 -
Enamelled glass - sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 -	Glass fibre reinforced plastics GRP - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341
Enamelled glass - sealing End strips - bonding	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 -
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles -	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 -	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles -	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 -
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 -
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles -	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 -
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 -	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 -
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 -	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing F Facades - sealing	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Granite - sealing Green house - sealing	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing F Facades - sealing Facades - waterproofing/	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 -	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing F Facades - sealing Facades - waterproofing/ hydrophobic treatment	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120 SXN	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing Grilles - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing F Facades - sealing Facades - waterproofing/ hydrophobic treatment Filling cracks in plaster	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing F Facades - sealing Facades - waterproofing/ hydrophobic treatment	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120 SXN	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing Grilles - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10 S50 A265 - M500 - M540 -
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing F Facades - sealing Facades - waterproofing/ hydrophobic treatment Filling cracks in plaster Fire-proof sealants according	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120 SXN	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing Grilles - bonding Gypsum fibreboard - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10 S50 A265 - M500 - M540 - M550 - P85 - P340
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing Facades - sealing Facades - sealing Facades - waterproofing/ hydrophobic treatment Filling cracks in plaster Fire-proof sealants according to DIN 4102-B1	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120 SXN A215 S51 - S54 - S94	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing Grilles - bonding Gypsum fibreboard - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10 S50 A265 - M500 - M540 - M550 - P85 - P340 A205 - M500
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing Facades - sealing Facades - sealing Facades - waterproofing/ hydrophobic treatment Filling cracks in plaster Fire-proof sealants according to DIN 4102-B1 Fixing adhesives	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120 SXN A215 S51 - S54 - S94 A265 - A266 - M550 - M551	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing Grilles - bonding Grypsum fibreboard - bonding Gypsum fibreboard - sealing Gypsum plasterboard -	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10 S50 A265 - M500 - M540 - M550 - P85 - P340 A205 - M500 A265 - M500 - M540 -
Enamelled glass - sealing End strips - bonding EPDM tapes and profiles - bonding and sealing EPDM tapes and profiles - bonding and sealing Facades - sealing Facades - sealing Facades - waterproofing/ hydrophobic treatment Filling cracks in plaster Fire-proof sealants according to DIN 4102-B1 Fixing adhesives Flame resistant jointing tapes	S70 - S80 A265 - A266 - M500 - M551 - M591 - M540 - M560 - P85 - P340 - P341 S54 S54 M360 - P300 - P305 - S7 - S10 - S70 - S80 - S110 - S120 SXN A215 S51 - S54 - S94 A265 - A266 - M550 - M551 OFB	Glass fibre reinforced plastics GRP - bonding Glass ornaments - bonding and sealing Glaze Grainy putty Granite - bonding Green house - sealing Green house - sealing Grilles - bonding Gypsum fibreboard - bonding Gypsum plasterboard - bonding Gypsum plasterboard - bonding	A265 - A266 - M500 - M540 - M550 - M551 - M560 - M580 - M590 - M591 - P85 - P340 - P341 S50 - S610 M350 - S110 - S120 A215 M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - P520 - S70 S70 - S80 - S117 - S130 - S140 S10 S7 - S10 S50 A265 - M500 - M540 - M550 - P85 - P340 A205 - M500 A265 - M500 - M540 - M550 - P85 - P340

Н		Melted asphalt floor screed -	S54 + PR1226
Heating pipes - temperature resistant sealing	S17 - S25	sealing Metal doors - bonding of corner connections	P86 - P520
Hydrophobic treatment of facades	SXN	Metal joints - sealing	M350 - M360 - P300 - P305 - S110 - S115 - S120 - S125
1		Metal profiles - bonding	P86 - P520
·		Metal windows - bonding of	P86 - P520
Impregnation of facades	SXN	corner connections	
Industrial floors - sealing of	S34	Mineral fibre insulating	P410
Insulated glass - edge	S9	panels - bonding	
bonding Insulated glass - edge	\$9	Mirrors - bonding	M550 - M551 - M560 - M570 - M580 - S16 - S610 -
bonding			FIXBA
Insulating boards - bonding	A265 - A266 - M500 - M551 - M501 - M502 - M550 -	Mirrors - sealing	S70 - S80 - S120 - S121 - S125
Insulating glass - window	M560 - P85 - P340 - P341 S9	Mirrors - sealing of edges	S70 - S80 - S120 - S121 - S125
pane sealing		Modified wood - bonding	P86
		Moisture-prone rooms -	OFS
<u>J</u>		full surface sealing	
Jointing cork floors/plates	A221	Ν	
Jointing laminate flooring	A221		
Jointing parquet floors	A221	Natural stone - bonding	M500 - M551 - M501 -
Jointing wood	A221 - M350 - S110 - S120		M502 - M550 - M560 -
Jointing wooden board	A221		M570 - P85 - P340 - P341 -
flooring			P520 - S70 - S80
Jointing wooden floor boards	A221	Natural stone facades - sealing	S70 - S80 - S117
K		Natural stone joints - sealing	S70 - S80 - S117 - S130 - S140
Kitchen worktops - sealing	S27 - S70 - S80 - S110 - S120	Natural stone stairs - bonding	M500 - M551 - M501 - M502 - M550 - M560 - M570 - P85 - P340 - P341 - S70
Lacquered glass - bonding	M500 - S16	Nirosta (stainless steel) -	M350 - M360 - P300 - P305 -
Lacquered glass - sealing	S70 - S80	sealing	S70 - S80 - S110 - S115 -
Laths - sealing	A265 - A266 - M500 - M551 -		S120 - S121 - S125
	M591 - M501 - M502 - M540 - M550 - M560 - P85 -	Non staining sealants	S70 - S80 - S117 - S130 - S140
	S610	Non streaky sealants	S110 - S120
Lexan® - sealing	S72	according to DIN 18545,	
Linoleum - sealing	S51	group E	
M		Non-ferrous metals - sealing	M350 - M360 - P300 - P305 - S110 - S115 - S120 - S125
Makrolon® - sealing	S72		
Marble - bonding	M500 - M551 - M501 - M502 - M550 - M560 -	0	
	M570 - P85 - P340 - P341 -	Operating theatres - sealing	S69
	P520	Ornamental strips - bonding	A265 - A266 - M500 - M551 -
Marble facades - sealing	S70 - S80 - S117		M501 - M502 - M540 -
Marble joints - sealing	S70 - S80 - S117 - S130 - S140		M550 - M560 - P85 - P340 - P341

Р	
Panels - bonding	M500 - M551 - M591 - M501 - M502 - M550 - M560 - P85 - P340 - P341 - P410 - P520
Permanent wet condition - Primer	PR1218
Permanent wet condition - sealing	S18 - S70 - S140
Plasticized PVC	M500 - M540 - M560 - M570 - M580 - M591 - S110 + PR1217
Plexiglas® (acrylic glass) - sealing	S72
Plexiglas® mirrors - bonding	S16 - S610
Plywood - bonding	P85 - P410
Polyacrylate (acrylic glass) - sealing	S72
Polycarbonate sheets - sealing	S72
Polyester - sealing	S110 - S120 - S125 - S100 - S105
Prefabricated concrete - sealing	M360 - P300 - P305
Prefabricated houses - construction	P410
Priming of smooth surfaces	OFS/OFH
Profile batches - sealing	A225
Profilit TM window pane sealing	M350 - S100 - S110 - S120 - S105
PU foams - removal of rests	OPCLEAN
PU rigid foam - bonding	P85 - P410
PVC - bonding	A265 - A266 - M500 - M551 - M501 - M550 - M560 - M570 - M580 - M-591 - P85 - P340 - P341 - S610
PVC floors - sealing	S51
PVC unplasticized - bonding	M500 - M551 - M501 - M550 - M560 - M580 - P85 - P340 - P341 - P520 - S610
R	
Rabbets of wooden windows	M350 - S110 - S120
Ray protective glass - sealing	S10
Refrigeration rooms - sealing	S27 - S130
Rigid foam boards made of polystyrene - bonding	P85 - P340 - P341
Roof glazings	S7 - S10 - S610
Roof gutter - sealing	A250 - S110
Roofing felt - sealing	A250 - S110
Roofs - sealing	A250
Rubber knob floors - sealing	S51

S	
Sandstone - jointing	S70 - S80 - S117 - S130 - S140
Sandwich elements -	M500 - M551 - M591 -
bonding	M570 - M580 - M590 - P410 -
G	P520
Sanitary acrylic - sealing	S100 - S105 - S110 - S115 -
	S121 - S125 - S130 - S140
Sanitary joints - sealing	S100 - S105 - S110 - S115 -
,,	S121 - S125 - S130 - S140
Sealing on the roof	A250
Separating walls - bonding	A265 - A266 - M570 - P85 -
	S610
Sheet metal - sealing	P300 - P305 - M350 -
3	M360 - S110 - S115 - S120 -
	S125
Shipbuilding	S94
Shower - sealing	S70 - S80 - S100 - S105 -
3	S110 - S115 - S121 - S125 -
	S130 - S140
Silicone - removal of rests	SIEN
Skirting boards - bonding	A265 - A266 - M500 - M551 -
	M501 - M502 - M540 -
	M550 - M560 - P85 - P340 -
	P341
Slaughterhouses - sealing	S27 - S130
Stainless steel - bonding	M500 - M551 - M591 -
	M501 - M502 - M550 -
	M560 - M580 - P85 - S10 -
	S610
Stainless steel (Nirosta) -	M350 - M360 - P300 - P305 -
sealing	S70 - S80 - S110 - S115 -
	S120 - S121 - S125
Stairs - bonding	M500 - M551 - M591 -
	M501 - M502 - M540 -
	M550 - M560 - OP920 -
	P85 - P340 - P341 - S70 -
	S80
Stairs - renovation	P85 - P340 - P341
Stone - bonding	M500 - M551 - M501 -
	M502 - M550 - M560 -
	M570 - P85 - P340 - P341 -
	P520 - S70 - S80
Stove pipes - sealing	S17 - S25
Stoves - temperature	S17 - S25
resistant sealing	
Stream-jet cleaning -	S34
resistant sealing	
Structural connection	A710 - M360 - P720 - S730 -
according to the window and	FBA - BKA -BAB/I-BAB/A
door mounting regulations	
Structural glazing units -	S7 - S10
sealing	
Ctucco bonding	AGE AGE MEON MEST

A265 - A266 - M500 - M551 -

M550 - M560

Stucco - bonding

Styrodur® - bonding	A265 - A266 - M502 - M551 - Ventilation systems - sealing P85 - P340 - P341		M350 - M380 - M500 - M570 - M580 - P83 - S68 -
Styropor® - bonding	A265 - A266 - M502 - M551 - P85 - P340 - P341		S69
Surface - hydrophobing	SXN	W	
Swimming pools - sealing	S18 - S70 - S140		
Synthetic flooring - sealing	S51	Wall cracks - bridging and	A215
Synthetic materials -	M500 - M551 - M591 -	sealing	M500 M554 M500
bonding	M501 - M550 - M560 - M570 - M580 - P85 - P340 -	Water resistant - bonding/	M500 - M551 - M560 - M570 - M580 - M591 - S28 -
	P341 - P520 - S610	sealing	S140 - S610
Synthetic materials -	\$72	Water tanks - sealing	S27
sealing	0.12	Weather resistant bonding	P84 - P85 - P86 - P340 -
		according to DIN EN 204 D4	P341 - P410 - P520
Т		Weathersealing	S7 - S10
		Window bar filler	S112
Temperature resistant	P84 - P85 - P86 - P340 -	Window bars - sealing	S112
bonding according to	P341 - P410 - P520	Window connection joints	A205 - M360 - P305 - S110 -
DIN EN 14257	047 005		S115 - S120 - S125 - A710 -
Temperature resistant	S17 - S25	Window frames cooling	P720 - S730
sealing Terracotta slabs - sealing	S70 - S80 - S100 - S110 -	Window frames - sealing Window rabbets - sealing	S112 M350 - S110 - S120
rerracotta siabs - seaiirig	S120 - S121 - S125 - S130	Windows - mounting	M360 - OP910 - OP920 -
Tighter inside than outside	A710 - P720 - S730 -	vindows modning	OP930 - OP940 - OPTU
gee.e.e	BAB/A - BAB/I - A770 -	Windows - sealing	M350 - S110 - S120
	BKA - FBA	Wing overlapping bonds	S81 - S670 - M580 -
Tile stove - jointing	A215		OTTOTAPE Fixierband
Tile to tile	OFS/OFH	Wood - bonding	M500 - M551 - M591 -
Tiles - sealing	S100 - S105 - S110 - S115 -		M501 - M502 - M540 -
	S120 - S121 - S125 - S130 -		M550 - M560 - M570 -
-	\$140		M580 - P84 - P85 - P86 -
Tiles - sealing	S100 - S105 - S110 - S115 -	Manada Inganding	P340 - P341 - P410 - S610
	S120 - S121 - S125 - S130 - S140	Wood - bonding Wooden doors - bonding	P84 - P86 - P410 M500 - M551 - M501 -
Timber-glass-composite	S7 - S10	Wooden doors - bonding	M502 - M550 - M560 - P84 -
elements - sealing	07 010		P85 - P340 - P341 - P410
Timber-glass-composite	S7 - S10	Wooden profiles - bonding	A265 - A266 - M500 - M551 -
elements - sealing			M501 - M502 - M550 -
Tinplate - sealing	M360 - S110 - S115 - S120 -		M560 - P85 - P340 - P341 -
	S125		S610
Twin-wall sheets - sealing	S72	Wooden stairs - bonding	M500 - M551 - M560 - OP920 - P85 - P340 - P341
U		Wooden windows - window	M350 - S110 - S120
		pane sealing	
Underground - reinforcing	OTG	Worktops - sealing	S27 - S70 - S80 - S110 -
Underground - reinforcing	OTG		S120 - S130
Underwater - sealing	S18 - S70 - S140	7	
\ /		Z	
V		Zinc sheets - sealing	M360 - S110 - S115 - S120 -
Vapour barrier - bonding	P270 - D-25-I - E-40-I	Zino sneets - scalling	S125
Vehicle construction/	M500 - M551 - M501 -		- -
manufacturing	M502 - M550 - M560 -		
3	M570 - M580 - P83		
Ventilation systems - sealing	M350 - M380 - P83 - S68 -		

S69

Quantity charts

General valid joint dimension:

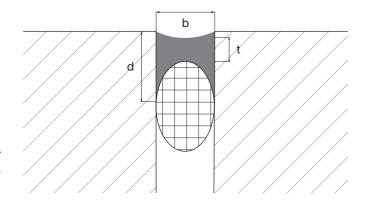
The rule of thumb for calculating the joint dimension is as follows: **Sealant depth (t) = 0.5 \times \text{joint width (b)}.** The thickness of the sealant (d) equals 2/3 of the joint width(b).

These minimum joint widths are also valid for joints in the interior with sealants \geq 15 % movement capability. The ratio between the width of the sealant in the joint (b) and the depth of the sealant in the joint (t) has to be as follows:

Joint width b in a ratio of joint depth t

b in mm	10-15	15-20	20-25	25-30	30-35
t in mm	8±2	10±2	12±2	15±3	15±3

Source: Industrieverband Dichtstoffe e.V./HS PR. Additional information to the IVD's instruction leaflets under www.ivd-ev.de



Quantity charts

This values are approximate and serve as a rough guide for rightangled joints. The depth of the joints is measured to the rear of the profile.

Metres per 300/310 ml cartridge

Width of joint in mm ➤ Depth of joint in mm ▼	5	7	10	12	15	20	25
5	12	8	6				
7		6	4	3			
10			3	2.5	2.0	1.5	
12				2.1	1.7	1.2	1.0
15					1.3	1.0	0.8

Metres per 400 ml aluminium foil bag

Width of joint in mm ► Depth of joint in mm ▼	5	7	10	12	15	20	25
5	15	10	8				
7		8	5	4			
10			4	3	2.6	2.0	
12				2.7	2.2	1.6	1.3
15					1.7	1.3	1.0

Linear metres per 490 ml side-by-side cartridges

Width of joint in mm ➤ Depth of joint in mm ▼	5	7	10	12	15	20	25
5	19	14	9				
7		10	7	5			
10			5	4	3	2.4	
12				3	2.7	2	1.6
15					2.1	1.6	1.3

Metres per 580 ml aluminium foil bag

Width of joint in mm ► Depth of joint in mm ▼	5	7	10	12	15	20	25
5	23	15	11				
7		11	7	6			
10			6	5	4	3	
12				4	3	2.4	2
15					2.5	1.9	1.4

Quantity charts

Primer consumption table

Primer consumption depends on the absorbency of the material of the adhesive edge and on the application method and can therefore only be stated approximately.

Linear metres per 100 ml primer

Adhesive edges in mm	5	10	15	20	
OTTO Cleanprimer 1101	150-250	75-125	50-80	35-60	
OTTO Primer 1102	20-40	10-20	7-13	5-10	
OTTO Primer 1105	30-90	15-45	10-30	7-20	
OTTO Primer 1215	30-90	15-45	10-30	7-20	
OTTO Primer 1216	150-250	75-125	50-80	35-60	
OTTO Primer 1217	150-250	75-125	50-80	35-60	
OTTO Primer 1218	50-120	25-60	16-40	12-30	
OTTO Primer 1225	50-100	25-50	16-40	12-25	
OTTO Cleanprimer 1226	150-250	75-125	50-80	35-60	
OTTO Primer 1227	60-100	30-50	20-30	15-25	

Minimum width of joints for the mounting of windows and outside doors

(valid for sealants with 25% movement capability)

Elementlength	up to 1.5 m	up to 2.5 m	up to 3.5 m	up to 4.5 m	up to 2.5 m	up to 3.5 m	up to 4.5 m
Type of window frame material	Minimum wite	dth of joints for a bu	ıtled mounting b ir	n mm	Minimum witdt	ner mounting b in mm	
Hard PVC (white)	10	15	20	25	10	10	15
Hard PVC and PMMA (dark) (colour extruded)	15	20	25	30	10	15	20
Hard PUR integral foam	10	10	15	20	10	10	15
Wood-aluminium-window	10	10	15	20	10	10	15
Aluminium-plastic sandwich frame (bright)	10	10	15	20	10	10	15
Aluminium-plastic sandwich frame (dark)	10	15	20	25	10	10	15
Wooden window frame	10	10	10	10	10	10	10

The OTTO app

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Information material

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OTTO offers not only professional quality sealants and adhesives, but also provides the necessary information on choice of product, correct workmanship and maintenance of the joints.

You can download as PDF documents, browse through our website or order printed copies.



The OTTO website

Get an overview of the diversity of OTTO's products and services.

www.otto-chemie.com



Product Catalogue for Buildings

The OTTO catalogue provides information on the properties and various applications of the sealants and adhesives available from stock, as well as supplementary products.



OTTOprofil

Our customer magazine is published every six months and offers exciting topics over and beyond OTTO and its products.



OTTO Professional Guides

Here the professional workman will find concise information on various topics such as "Saving Energy with perfect seals", Joints perfectly formed" or "Mould, prevention and treatment".



OTTO Professional Tips

Useful hints and tips on all aspects of sealing and bonding; the practical A-4 format is ideal for printing



OTTO Product Information

Flyers with the most important information on the OTTO products

Terms and Conditions of Business of Hermann Otto GmbH

General provisions

- All offers, supplies and agreements are based exclusively on our Terms and Conditions of
- Our offers are subject to change. Contracts and agreements are not binding until they have been confirmed by us in writing, especially if they change the present Terms and Conditions. Agreements entered by our field service employees are only effective if they have been confirmed by
- We explicitly contradict the Terms and Conditions of Business and Purchase of the purchaser. We are not committed to them, even if we did not contradict them at the time the contract was concluded.
- The purchaser is not permitted to set off counterclaims unless the counterclaims are undisputed or have been legally finalised. The purchaser is not entitled to a right of retention. This does not apply to business transactions with consumers, insofar as the right of retention is based on the same contractual relationship. A right to refuse performance on the part of the purchaser is excluded for business transactions with companies.
- When contract manufacturing is carried out, if our customer has stipulated the recipes and/or equipment, it must assume liability for not infringing any third party industrial property rights owing to the production and/or equipment. If necessary, it must release us from potential third party claims on our first request.

Dispatch

- Unless otherwise agreed, dispatch takes place at the expense and risk of the purchaser. When the goods are transferred to the forwarder or carrier or at the latest when the goods have left the factory or warehouse, the risk transfers to the purchaser. If the goods are damaged during transportation or the goods listed in the bill of lading are not delivered in full, the recipient of the goods must have the deliverer (in the case of dispatch by a carrier = the lorry driver; if sent by rail (Deutsche Bahn) = the receiving goods station) note it immediately in detail on the bill of lading and (Deutsche Bahn) = the receiving goods station) note it immediately in detail on the bill of lading and confirm same by signing it. The bill of lading with the note on damage must be handed over to us to enable us to assert claims for compensation on behalf of the purchaser; we are not committed to bring legal action to assert the claims, however we do commit ourselves to selzing such measures that enable the purchaser to assert claims by way of legal action. Even if free delivery to the receiving station of the purchaser has been agreed, the purchaser bears the transportation risk. If transport damage does occur, we give compensation to the same extent as we ourselves receive compensation for the transport damage. Compensation is given at our discretion either in the form of a free replacement delivery or a credit note for the amount to be reimbursed.
- When dispatching the goods we are entitled to choose the means of conveyance and the shipping route without assuming any liability. This disclaimer does not apply if the Managing Director or Managing Directors or one of our executives has/have at least acted with gross negligence in the course of business transactions with companies or if the senior management or any one of our employees have acted with gross negligence in business transactions with consumers. We are only obliged to provide transport insurance if it is explicitly demanded. The purchaser must

Delivery period

- The delivery period begins when the order has been confirmed, subject to availability and other
- Irrespective of our rights, if the purchaser is in arrears, the agreed term is extended by the period by which the purchaser is in arrears with its obligations under the present or past contracts. This applies analogously if a delivery date has been agreed.
- If we fall behind, the purchaser must set an appropriate period of grace. When said period of grace expires the purchaser may cancel the contract if the goods have not been reported to be ready for dispatch by that time.
- Any claims for compensation for a failure to meet delivery periods or dates are limited to the value of the contract unless the delay has been caused by the Managing Director(s) or one of our employees owing to negligence.
- Cases of force majeure entitle us to delay delivery for as long as it is obstructed, plus a reasonable time for recommencing, or to cancel the contract owing to the part of the contract which has not been fulfilled. Strikes, lockout, riots and other circumstances which make delivery difficult or impossible are equivalent to force majeure, irrespective of whether they occur to us or one of our sub-suppliers. The purchaser can demand a statement from us as to whether we want to cancel or deliver within a reasonable period. If we fail to make a statement, the purchaser is entitled to cancel the contract

Terms of payment

- Our invoices are due for payment within 30 days of the invoice date without any discount.
- If the target date is not met, we charge interest on arrears at a rate equivalent to the respective interest rate for short-term bank loans, but in the amount of 5 percent points p.a. above the respective base interest rate in the case of legal transactions in which no consumer is involved, at 8 percent points p.a. above the relevant base interest rate.

Retention of title to ownership

- In business transactions with companies the entire goods delivered (goods subject to retention of title to ownership) remain our property until all accounts receivable arising from the business relations with the respective purchaser, even if payments are made for specifically designated accounts receivable. In dealings with consumers we retain ownership of the delivered goods until the outstanding purchase price has been paid.
- The purchaser is entitled to process and sell the goods subject to retention of title to ownership by way of normal business transactions insofar as it is not in arrears with its payment. It is only entitled way of normal outsiless trainsecturis instoard as its not in arears within a payment, its only entitled to resell or process the goods subject to retention of title to ownership providing that the accounts receivable from reselling or processing are transferred to us as stipulated in numbers 3–5. It is not vathorised to dispose of the goods subject to retention of title to ownership in any other way.

 The purchaser herewith assigns its accounts receivable from reselling and/or processing the goods subject to retention of title to us, irrespective of whether the goods subject to retention of
- title to ownership are sold to one or more purchasers or have been processed for one or more
- The purchaser is authorised to collect the accounts receivable from resale or processing assigned to us unless we revoke this authorisation, which we may do at any time. Insofar as our accounts receivable are due, the purchaser is under obligation to immediately pay the collected amounts to us. On no account is the purchaser authorised to assign the accounts receivable to any third party.
- Unless we inform its customer ourselves, if we so request, the purchaser is under obligation to inform the customer immediately of the assignment of its accounts receivable to us and provide us with proof of such notification and send us the information and documents required for collecting the assigned accounts receivable together with this notification.
- The purchaser is under obligation to inform us of garnishment or any other adverse action by a
- If the security backing the accounts receivable owing to the retention of title to ownership exceeds for debt for which security is required by more than 20%, at the request of the purchaser we are obliged to release securities at our discretion.
- The authorisation of the purchaser to collect will be revoked if the terms of payment are not met or if the purchaser infringes contractual agreements, if the purchaser ceases to pay and if settlement or bankruptcy proceedings are opened.

VI. Instructions for use

- In view of the fact that our products are used under very varied working conditions and for different applications, our instructions for use can only constitute general guidelines. If special requirements are made, which are beyond the scope of the applications and working conditions mentioned in the instructions for use, we are prepared to give more extensive advice for the purpose of support; however this does not constitute any kind of legal commitment on our part. Irrespective of this, owing to the many types of applications for our products and the varying conditions under which they are used, it is always necessary for the user to previously check all the product properties considered important for the respective purpose, and to verify them in practice. The information in the relevant up-to-date technical data sheet must be taken into account for this purpose.
- Information on the amount to use given in our instructions for use represents average values taken from practical experience.

VII. Notification of defects, liability

- All statements about suitability, processing and application of our products, technical advice and other information are given to the best of our knowledge; however, they do not release the purchaser from the obligation to carry out its own tests and experiments. If specific qualities or the assumption of any warranties have been agreed, they are only binding for us if they have been made explicitly in writing in the contract. The current technical datasheet – as can be accessed from our homepage on the Internet – is relevant for any claims for defects with regard to the quality and application of the product. It can also be made available in other ways at any time, if requested. If the seller deviates from instructions given there, we exclude any claim for defect or any other form of liability.
- Business purchasers must inspect the goods delivered immediately for any defects and, if a defect is discovered, notify us immediately thereof in writing. If we do not receive notification, the goods are considered accepted. For purchasers who are not consumers this applies both to visible and invisible defects. If the purchaser is a consumer, he or she must lodge a complaint about obvious, visible defects within 14 days.
- If the goods we deliver are defective and the purchaser gave notification of the defect within the time limit, we will replace the goods free of charge if the defect already existed when the risk was transferred. If post-performance fails the purchaser has the right to choose between reduction of the payment and cancellation of the contract. Paragraph 5 below applies to any claims for damages or reimbursement of expenses.
- In case of complaint the purchaser must grant us the opportunity to verify the complaint by sending material samples to us immediately if we so request. If the purchaser infringes this obligation, the purchaser is not entitled to claim for defects unless the infringement of this purchaser obligation neither hinders our verification of the cause of the damage nor makes it more difficult. We will assume the costs for sending us material samples and of sampling itself if the material delivered was defective. This does not prejudice cancellation or return rights which may ensue from consumer protection rights.
- We assume liability towards the purchaser for compensation irrespective of the legal reason be it under contract or owing to tort - only in cases of intent, gross negligence, owing to injury of life, the body or health or because an agreed quality is lacking or because of the infringement of important (cardinal) contractual duties or other mandatory statutory regulations. Compensation for the infringement of important contractual duties is restricted to foreseeable damage typical for the contract and, in this case, to a maximum of 500,000.— euros. This applies unless our legal representative or our vicarious agents have acted with intent or gross negligence or if it is a case of injury of life, the body or health. A shift in the burden of proof to the disadvantage of the purchaser is not implied by the above provisions. The provisions above apply analogously to compensation for futile efforts.
- The time limit for claims for defects is one year from delivery of the goods unless it is a case of a consumer goods sale or the law stipulates a longer mandatory limitation period in some other way.

VIII. Liability for compensation for damage due to culpability; reimbursement of expenses

- Insofar as liability presupposes culpability, our liability for compensation, irrespective of the legal grounds - be it based on a contract or a tort - is restricted in compliance with the following provisions. A shift in the burden of proof to the disadvantage of the purchaser is not implied.
- We do not assume liability for ordinary negligence, insofar as it does not constitute a breach of important contractual duties. Important contractual duties are, in particular, the obligation to deliver the object of delivery punctually and without any major deficits, and the protection obligations for the benefit of the purchaser, in particular for health and life.
- Insofar as the grounds make us liable for compensation for damages, this liability is restricted to damage which we predicted to be a potential consequence of a breach of contract at the time the contract was concluded, or which we should have foreseen, had we applied due diligence. Our duty to compensate for material damage and further financial losses resulting from it is limited to a sum of maximally \in 500,000 per claim. In the course of business with entrepreneurs liability for damages caused by delay is limited to the value of the order.
- The above exemptions from and limitations of liability also apply to the compensation for wasted expenditure on the part of the purchaser.
- The above exemptions from and limitations of liability apply to the same extent to our organs, legal representatives, employees and other vicarious agents.
- Insofar as we give technical information or advice, and this information or advice is not part of the performance or services we owe under the terms of contract, we do so free of charge and to the exclusion of any liability.
- The above limitations do not apply to liability for intentional acts, to guaranteed quality features, to injury to life, body or health or under the terms of the Product Liability Act.

IX. Place of performance and legal venue

The place of performance for both parties to the contract is D-83413 Fridolfing if the purchaser is an entrepreneur. For all disputes arising from the business relations – including bill of exinge and cheque issues - in the case of business transactions with traders the legal venue is

Information in accordance with $\S 36$ of the German Law on Alternative Dispute Resolution for Consumer Disputes

We are neither willing nor obliged to participate in dispute resolution processes in accordance with the Law on Alternative Resolution for Consumer Disputes.

- German law alone shall apply to the business relationship with our customers; foreign law is excluded under all circumstances. The UN Convention on Contracts for the International Sale of Goods (CISG) is not however applicable.
- If our customers export our merchandise to territories outside the Federal Republic of Germany, we assume no liability if third-party industrial property rights are infringed. The purchaser is obliged to pay damages caused by us exporting the merchandise if we did not supply it explicitly for export purposes

Your specialized dealer:

Head office

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Please send your orders via fax or e-mail in order to ensure rapid and correct processing. Many thanks!





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