

**OTTOSEAL®****S 125**

Technical Datasheet



### 1-component silicone sealant based on alkoxy, neutral cross-linking

For indoor and outdoor application

## Characteristic:

- **Contains fungicides**  
Resistance to mould infestation
- **Non-corrosive**  
No (oxidation) corrosion on unprotected metal surfaces
- **Excellent weathering, ageing and UV-resistance**  
For long-lasting indoor and outdoor applications

## Fields of application:

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

## 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. 1+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® EC 1 Plus - very low emission
- Classification according to building certification systems, see the sustainability data sheet
- Tested fire behaviour in accordance with EN 13501: class E

## Important information:

Before applying this product the user has to ensure that the materials in the area of contact (solid, liquid and gaseous) are compatible with it and also amongst each other and do not damage or alter (e. g. discolour) each other. As for the materials that will be used at a later stage in the surrounding area of the product the user has to clarify beforehand that the substances of content or evaporations do not lead to an impairment or alteration (e. g. discolouration) of the product. In case of doubt the user should consult the respective manufacturer of the material.

Avoid contact with materials which contain bitumen and which release solvents, e. g. butyl, EPDM, neoprene, insulating- and bituminous paint.

Paints, lacquers, plastics and any other coatings must be compatible to the adhesive/sealant.

During curing small amounts of alcohol are released.

Ensure good ventilation during application and curing.

The required vulcanization time prolongs with increasing thickness of the silicone layer. One-component silicones must not be used for full-surface bonding applications unless special constructional prerequisites are met. If one-component silicones are to be used for thickness layers of more than 15

mm please contact our technical department beforehand.

If using smoothing agent remove the remaining water streaks on the adjoining surfaces immediately after sealing. If the surfaces are cleaned at a later time, permanent streaks may remain.

For sealing of linoleum floorings please wet smoothing tool with only a little smoothing agent or rebate dryly. Remove excess smoothing agent on the flooring before drying in order to avoid staining.

Smoke from cigarettes or similar environmental influences may lead to discolouring of the sealant.

Upon restoring of joints contaminated with mould the existing elastic sealant must be removed completely. Before re-jointing, the affected jointing areas are to be treated with OTTO Anti-Mildew Spray to remove possibly existing fungal spores. Otherwise a new mould attack may occur in the joints again, despite the mould protection technology of the sealant.

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#### Technical properties:

Skin-forming time at 23 °C/50 % RH [minutes]	~ 10
Curing in 24 hours at 23 °C/50 % RH [mm]	~ 2 - 3
Processing temperature from/to [°C]	+ 5 / + 35
Viscosity at 23 °C	pasty, stable
Density at 23 °C according to ISO 1183-1 [g/cm³]	~ 1,0
Shore-A-hardness according to ISO 868	~ 21
Permissible movement capability [%]	25 (1)
Stress expansion modulus at 100 % according to ISO 37, S3A [N/mm²]	~ 0,4
Tensile expansion according to ISO 37, S3A [%]	~ 700
Tensile strength according to ISO 37, S3A [N/mm²]	~ 1,4
Temperature resistance from/to [°C]	- 40 / + 120
Shelf life at 23 °C/50 % RH for cartridge/foil bag [months]	12 (2)
Shelf life at 23 °C/50 % RH for pail/drum [months]	12 (2)

1) Please pay attention to standards and tests

2) from date of manufacture

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

#### Pretreatment:

All adherent surfaces must be clean and any contaminant such as release agents, preserving agents, grease, oil, dust, water, old adhesives or sealants and other substances which could affect adhesion, should be removed. Cleaning of non-porous substrates: Apply OTTO Cleaner T (airing time approx. 1 minute) using a clean, lint-free cotton cloth. Cleaning porous substrates: Clean surfaces with steel-wire brush e. g. or a grinding disk to remove loose particles.

The adherent surfaces have to be clean, free from fat, dry and sustainable.

#### Primer Table:

The demands on elastic sealings and bondings depend on the respective exterior influences. Extreme fluctuations in temperature, tensile or shear forces, repeated contact with water etc. demand high requirements of a bonding. In such cases it is advisable to apply primer according to the recommendations of our technical department (e. g. +/OTTO Primer 1216) in order to achieve a resilient bonding.

Acrylic glass/PMMA (Plexiglas®, etc.)	+ / 1217
Acrylic bathroom surfaces (e. g. bath tubs)	+ / 1217
Aluminium	+
Aluminium anodized	+
Aluminium powder-coated	T
Concrete	1215
Floor covering, rubber	1217 / 1227
Floor covering, PVC	1217 / 1227
Floor covering, vinyl	+ / 1217 / 1227 (1)
Stainless steel	+ / 1216
Epoxid resin coating	T
Fibre cement	1215
Glass	+
Wood, untreated	+ / 1215 (2)
Wood, painted (solvent systems)	+
Wood, painted (aqueous systems)	+

Wood, varnished (solvent systems)	+
Wood, varnished (aqueous systems)	+
Ceramic, glazed	+ (3)
Ceramics, unglazed	+
Clinker	1215
Cork	+
Artificial stone	OTTOSEAL® S 70
Copper	+
Linoleum	+
Melamine formaldehyde resins (e. g. Resopal®)	1217
Brass	+
Solid surface material	-
Natural stone / marble	OTTOSEAL® S 70
Polyester	+
Polypropylene	-
Cellular concrete	1215
Plaster	1215
PVC unplasticized	+ / 1217
PVC-soft-foils	+
Tinplate	+
Zinc, galvanised iron	+

- 1) A primer may be needed, depending on the composition of the plastic. Where high stress exists, for example, in public areas, we recommend OTTO 1217 or 1227 primer.
- 2) Upon high exposure to water please test beforehand.
- 3) When using ceramic tiles with a special surface coating such as Ceramicplus of Villeroy + Boch we recommend a pre-treatment with OTTO Cleanprimer 1226. When using ceramic tiles with other surface coatings it is advisable to contact our Technical Department or make preliminary tests.

+ = good adherence without primer  
 - = not suitable  
 T = Test/pilot test advised

**Application information:**

Due to the many possible influences during and after application, the customer always has to carry out trials first.

Please observe the recommended shelf life which is printed on the packaging.

We recommend to store our products in unopened original packagings dry (< 60 % RH) at temperatures of +15 °C up to +25 °C. If the products are stored and / or transported at higher temperatures / air humidity for longer periods (some weeks), a diminution of durability or a change of material characteristics may arise.

**Packaging:**

**Paints filled (matte)**

	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
matt anthracite grey	S125-04-C6831	S125-07-C6831	on request
matt basalt grey	S125-04-C8340	on request	on request
matt black	S125-04-C7112	on request	S125-08-C7112
matt brown	S125-04-C1416	on request	on request
matt chestnut	S125-04-C7114	on request	on request
matt chocolate brown	S125-04-C6569	on request	on request
matt dark oak	S125-04-C7104	on request	on request
matt fair brown	S125-04-C7094	on request	on request
matt fair jasmin	S125-04-C8336	on request	on request
matt fair oak	S125-04-C7105	on request	on request
matt linsey grey	S125-04-C6835	S125-07-C6835	on request
matt manhattan	S125-04-C6874	on request	on request
matt sanitary grey	S125-04-C6834	S125-07-C6834	on request
matt silver-grey	S125-04-C6645	S125-07-C6645	on request
matt snow-white	S125-04-C6832	S125-07-C6832	on request
matt stone grey	S125-04-C8338	on request	on request

matt white	S125-04-C6919	on request	S125-08-C6919
<b>Packaging unit</b>	<b>20</b>	<b>20</b>	<b>20</b>
<b>Pieces per pallet</b>	<b>1200</b>	<b>900</b>	<b>600</b>

#### Paints unfilled (gloss)

	310 ml cartridge	400 ml aluminium foil bag	580 ml aluminium foil bag
alu	S125-04-C14	on request	on request
anthracite	S125-04-C376	S125-07-C376	on request
anthracite grey	S125-04-C137	S125-07-C137	on request
basalt grey	S125-04-C8339	on request	on request
black	S125-04-C04	on request	S125-08-C04
brown	S125-04-C05	on request	on request
concrete grey	S125-04-C6216	S125-07-C6216	on request
dark oak	S125-04-C83	on request	on request
fair jasmin	S125-04-C112	S125-07-C112	on request
fair oak	S125-04-C64	on request	on request
joint white	S125-04-C69	on request	on request
linsey grey	S125-04-C433	S125-07-C433	on request
manhattan	S125-04-C43	S125-07-C43	on request
RAL 7047	on request	S125-07-C7047	on request
RAL 9001	S125-04-C9001	S125-07-C9001	on request
sanitary grey	S125-04-C18	S125-07-C18	S125-08-C18
silver-grey	S125-04-C94	S125-07-C94	on request
snow-white	S125-04-C116	S125-07-C116	on request
stone grey	S125-04-C8337	on request	on request
transparent	S125-04-C00	on request	S125-08-C00
transparent-grey	S125-04-C284	S125-07-C284	on request
white	S125-04-C01	S125-07-C01	S125-08-C01
<b>Packaging unit</b>	<b>20</b>	<b>20</b>	<b>20</b>
<b>Pieces per pallet</b>	<b>1200</b>	<b>900</b>	<b>600</b>

#### Safety precautions:

Please observe the material safety data sheet.  
After curing the product is completely odourless.

#### Disposal:

Information about disposal: Please refer to the material safety data sheet.

#### Warranty information:

All information in this publication is based on our current technical knowledge and experience. However, since conditions and methods of use and application of our products are beyond our control, we suggest that you test the product before final use. Information given in this technical data sheet and explanations of OTTO-CHEMIE in connection with this technical data sheet (e.g. service description, reference to DIN regulations etc.) is not to be seen as a warranty. Warranties require a separate written declaration of OTTO-CHEMIE to prove their validity. The characteristics stated in this data sheet define the characteristics of the article broadly and conclusively. Suggestions of use are not to be taken as confirmation of the appropriateness for the recommended intended use. We reserve the right to alter the product, adjusting it according to technical progress and new developments. We are at your disposal both for inquiries as well as specific application problems. If a governmental approval or clearance is necessary for the application of our products, the user is responsible for the obtainment of such. Our recommendations do not excuse the user from the obligation to take into consideration the possibility of infringement of third parties' rights and - if necessary - resolving it. For the rest our general terms and conditions apply, in particular regarding a possible liability for defects. You can find our general terms and conditions on our homepage: <http://www.otto-chemie.de/en/terms-and-conditions>