

Compatibility with various edge-sealing materials/ Bonding system adhesion

OTTOCOLL® S81

Notes

General note

The compatibility of the chosen combination of materials must always be conscientiously tested. The following table contains the combinations of materials already tested by us.

Compatibility with butyl for primary edge sealing

OTTOCOLL® S81 is compatible with conventional butyl-based primary edge-sealing materials.

Compatibility with TPS for primary edge sealing

The compatibility with TPS is to be tested by the user. Incompatibility which shows up as a garland effect is possible with some products.

Compatibility with silicone-based secondary edge-sealing materials

Experience has shown that silicone-based insulation glass sealants are compatible with high-grade silicone-based products such as OTTOCOLL® S81.

Compatibility with secondary edge-sealing materials based on polysulfide and polyurethane/ adhesion of the bonding system

For information on compatibility with edge-sealing materials based on polysulfide and polyurethane, please see the following table.

Compatibility with glazing blocks

Materials made of polyamide (PA), polyethylene (PE), polypropylene (PP), aliphatic polyaliphapolyolefins (APAO) without plasticiser additives do not need to be tested for compatibility with other components, provided these materials are not subjected to tensile loads in the window design.

(Extraction from RAL GZ 716 - April 2019 or ift guideline VE-08/4 - March 2017)

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The following specifications are based on tests and the evaluation criteria as per RAL-GZ 716/1 (3.5.4 Floating roller peel-resistance test, 4.3.1 Stacking test):

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Edge bond manufacturer	Edge-sealing materials	Result of the compatibility test	Footnote	Tested batches/ Year of the last testing	Possible bonding position	
					1, 2, 4 and 3/4 glass edge	Rebate base
IGK Isolierglasklebstoffe GmbH, Hasselroth	IGK 311	compatible	1)	2020	yes	yes with OTTO Cleanprimer 1226
	IGK 330					
	IGK 130	compatible	1)	2020	yes	yes, with OTTO Cleaner T, followed by OTTO Primer 1216 ⁴⁾
Deutsche Hutchinson GmbH, Eschborn (ehem. Bostik)	Totalseal 3189/2	compatible	2)	A: D 08784 B: D 08949 2013	yes	yes with OTTO Cleanprimer 1226
Fenzi SpA, Tribiano	Thiover / Thiover F	compatible	1)	2020	yes	yes with OTTO Cleanprimer 1226
	Poliver	compatible	1)	2020	yes	yes with OTTO Cleanprimer 1226
Kömmerling Chemische Fabrik GmbH, Pirmasens	GD 116	compatible	1) 3)	2020	yes	yes with OTTO Cleanprimer 1226
	GD 677	compatible	1) 3)	2012	yes	yes with OTTO Cleanprimer 1226
	GD 116 NA	compatible	2)	A: 14380 B: 15092 2020	yes	yes with OTTO Cleanprimer 1226
	GD 677 NA	compatible	2)	A: 14380 B: 16140 2020	yes	yes with OTTO Cleanprimer 1226
	Naftotherm M82-935	compatible	2)	A: 47371110 B: 54375011 2021	yes	yes with OTTO Cleanprimer 1226
Tremco-IIIbruck GmbH & Co. KG, Bodenwöhr	JS 442 MF	compatible	2)	A: 35452/20 B: 39186/20 2020	yes	yes with OTTO Cleanprimer 1226
Nedex Chemie Deutschland GmbH	PS 998 R	compatible	1)	2019	yes	yes with OTTO Cleanprimer 1226
eco in, Warschau, Polen	ECO Pur CBD	compatible	2)	A: 1905084 B: 1904181 2019	yes	yes with OTTO Cleanprimer 1226
TENACHEM Latvia	Tenaglass PS	compatible	2)	A: 19190 B: 19178 2020	yes	yes with OTTO Cleanprimer 1226

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ECI European Chemical Industries	EMCEPREN 200	compatible	2)	A: 258601 B: 180301 2020	yes	yes with OTTO Cleanprimer 1226

- 1) The result above is based on compatibility tests conducted at the edge bond manufacturer site and at OTTO. There is a contractual agreement between the edge bond manufacturer and OTTO regarding the mutual obligation to inform about any formulation changes.
- 2) The result of our compatibility check refers to the tested edge bond batches. The product processor is to clarify in advance whether the currently produced edge bond still matches the tested edge bond.
- 3) According to the tests carried out by OTTO (Floating roller peel-resistance test and stacking test) the materials named are compatible. We have not obtained approval from the company Kömmerling for the rebate base bond!
- 4) If no clean primer is used, the surface is to be cleaned with OTTO Cleaner T before being primed.

We wish to clearly point out that our statements regarding compatibility can change in the light of future test results and knowledge gained. It is the responsibility of the person processing to procure the latest recommendations before commencing work. The current recommendation can be downloaded from our website www.otto-chemie.com.

This information is the result of extensive tests and has been compiled to the best of our knowledge, taking our most recent practical experience into account. However, our statements refer exclusively to the material tested by us under our test conditions. As a precaution, we also wish to point out that information gained from laboratory tests does not embrace all possible influences in actual practice or all possible installation situations. Before commencing any task, we recommend separately clarifying the suitability of our products for each particular application on a sample or prototype. If you have any questions, please contact our Technical Service Department.



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