

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)

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.

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

OTTOCOLL® S81						
Edge seal manufacturer	Secondary edge seal/Primary edge seal	Result of the compatibility test	Footnote	Tested batches Secondary edge seal/ Year of testing	Possible bonding position	
					1, 2, 4 and 3/4 glass edge	Rebate base
IGK Isolierglasklebstoffe GmbH, Hasselroth, Germany	IGK 311 /IGK 511	compatible	1)	2020	yes	yes with OTTO Cleanprimer 1226
	IGK 330/IGK 511	compatible	1)	2023	yes	yes with OTTO Cleanprimer 1226
	IGK 130/IGK 511	compatible	1)	2023	yes	yes, with OTTO Cleaner T, followed by OTTO Primer 1216 ³⁾
Fenzi S.p.A., Tribiano, Italy	Thiover/Butylver	compatible	1)	2023	yes	yes with OTTO Cleanprimer 1226
	Thiover F/1 / Butylver	compatible	1)	2023	yes	yes with OTTO Cleanprimer 1226
	Poliver AC/ Butylver	compatible	1)	2023	yes	yes with OTTO Cleanprimer 1226
Kömmerling Chemische Fabrik GmbH, Pirmasens, Germany	GD 116/GD 115	compatible	1)	2023	yes	yes with OTTO Cleanprimer 1226
	GD 116 NA/ GD 115	compatible	2)	A: 1554681 B: 1568757 2023	yes	yes with OTTO Cleanprimer 1226
	GD 116 LV/ GD 115	compatible	2)	A: 25960 B: 1568757 2023	yes	yes with OTTO Cleanprimer 1226
	GD 677 NA/ GD 115	compatible	2)	A: 25066 B: 16515 2023	yes	yes with OTTO Cleanprimer 1226
	Naftotherm M82-935/GD 115	compatible	2)	A: 47371110 B: 54375011 2021	yes	yes with OTTO Cleanprimer 1226
Tremco CPG Germany GmbH, Bodenwöhr, Germany	JS 442 MF/ JS 680	compatible	2)	A: 35452/20 B: 39186/20 2020	yes	yes with OTTO Cleanprimer 1226
eco in, Warschau, Poland	ECO Pur CBD/ ECO Butyl	compatible	2)	A: 24040304 B: 24040301 2024	yes	yes with OTTO Cleanprimer 1226
TENACHEM Ltd., Dobele, Latvia	Tenaglass PS/ Tenaglass PIB	compatible	2)	A: 23962 B: 20747 2023	yes	yes with OTTO Cleanprimer 1226
	Tenaglass PU/ Tenaglass PIB	compatible	2)	A: 23678 B: 23670 2023	yes	yes with OTTO Cleanprimer 1226
ECI European Chemical Industries Castleblayney, Ireland	EMCEPREN 200/ Emcepren 80 IG	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 seal manufacturer site and at OTTO. There is a contractual agreement between the edge seal 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 seal batches. The product processor is to clarify in advance whether the currently produced edge seal still matches the tested edge seal.

3) If no clean primer is used, the surface is to be cleaned with OTTO Cleaner T before being primed.