

# Compatibility with various edge-sealing materials/ Bonding system adhesion

## OTTOCOLL® S81

### Notes

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#### General note

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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

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

#### Compatibility with TPS for primary edge sealing

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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

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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

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

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The following information is based on compatibility tests in accordance with RAL-GZ 716/1 section III, part A (3.5.4 Floating roller peel-resistance test, 4.3.1 Stacking test):

OTTOCOLL® S81						
Manufacturer	Edge-sealing materials	Result of the compatibility test	Footnote	Tested batches and test date	Possible bonding position	
					1, 2, 4 and 3/4 glass edge	Rebate base
IGK Isolierglas-klebstoffe GmbH, Hasselroth, Germany	IGK 311	Compatible	1)	Contractual agreement	yes	yes
	IGK 330					with OTTO Cleanprimer 1226
	IGK 130	Compatible	1)	Contractual agreement	yes	yes, with OTTO Cleaner T, followed by OTTO Primer 1216 <sup>4)</sup>
Deutsche Hutchinson GmbH, Eschborn, Germany (formerly Bostik)	Totalseal 3189/2	Compatible	2)	A: D 08784 B: D 08949 May 2013	yes	yes with OTTO Cleanprimer 1226
Fenzi SpA, Tribiano, Italy	Thiover / Thiover F	Compatible	1)	Contractual agreement	yes	yes with OTTO Cleanprimer 1226
	Poliver	Compatible	1)	Contractual agreement	yes	yes with OTTO Cleanprimer 1226
Kömmerling Chemische Fabrik GmbH, Pirmasens, Germany	GD 116	Compatible	1) 3)	Contractual agreement	yes	yes with OTTO Cleanprimer 1226
	GD 677	Compatible	1) 3)	Contractual agreement	yes	yes with OTTO Cleanprimer 1226
	GD 116 NA	Compatible	2) 3)	A: 63739 016 B: 65855 026 March 2017	yes	yes with OTTO Cleanprimer 1226
	GD 677 NA	Compatible	2) 3)	A: 65557 026 B: 66304 026 March 2017	yes	no
Tremco-Ilbruck GmbH & Co. KG, Bodenwöhr, Germany	JS 442	Compatible	1)	Contractual agreement	yes	yes with OTTO Cleanprimer 1226
	JS 442 MF	Compatible	2)	A: 351000/15 B: 39031/16 May 2016	yes	yes with OTTO Cleanprimer 1226
Nedex Chemie Deutschland GmbH, Germany	PS 998 R	Compatible	1)	Contractual agreement	yes	yes with OTTO Cleanprimer 1226

1) The recommendations listed above are based on mutual compatibility tests between the edge-sealing manufacturer and OTTO. There is a contractual agreement between this manufacturer and OTTO regarding the mutual obligation to inform in case of changes to formulations.

2) The results of our compatibility tests refer to the batches tested and are only valid if the manufacturers named at the time our tests were performed have not changed any of the formulations, the raw materials or the manufacturing methods of the products named by them, and do not change them in the future. We are unable to influence these factors. Possible changes made by the manufacturers are not necessarily made known to us. Information needs to be obtained from the manufacturer in order to find out to which degree the formulation of the batches tested conforms with the formulation currently being produced. For this reason it is important to obtain confirmation regarding compatibility from each manufacturer.

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.

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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 latest recommendations can be obtained by enquiring at: [info@otto-chemie.de](mailto:info@otto-chemie.de)

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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