

TI 153 Vers. 4.1 e

Test and recommendation list in combination with Kömmerling **GD 920** 2-part Silicone sealant Sealant compatibility

Content

The Technical Information TI 153 is about the application of direct and indirect contact with **GD 920** insulating glass edge seal and therefore probably suitable products from Kömmerling or from other manufacturers. These compatibility test and recommendations are also valid for the Kömmerling **GD** and **Naftotherm** primary- (PIB) sealants.

1. Preface

The following mentioned products are recommended because of their declared properties, manufacturer recommendations or internal respectively external tests. As a general rule the suitability for the desired application has to be approved by adequate self-testing of the user. Other manufacturer also must agree with the planned application if their materials are used. We (Kömmerling) can only be responsible for the function and the consistent properties of our own products.

The spreadsheets are structured by application. Depending on the application and therefore the resulting material in contact and the resulting type of load, the type and number of recommended products varies.

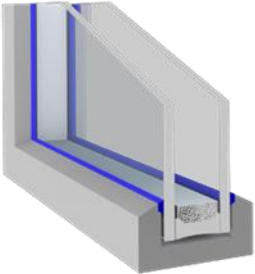
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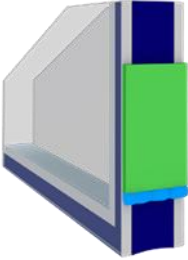
CT-xxxx	→ Compatibility testing with year of testing
MT-xxxx	→ Test performed by manufacturer with year of testing
R	→ Recommendation due to the properties and/or quality according the product information

INFO

Please refer to the technical information “TI 033 compatibility“!

2. Case of Application

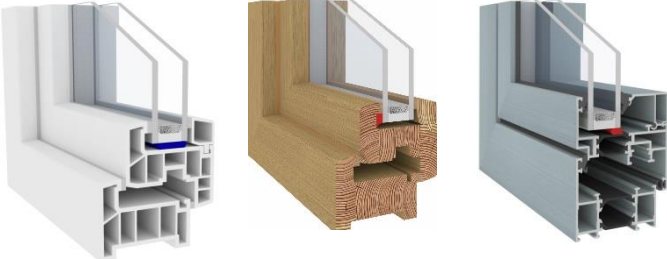
Application	2.1		
	Sealing between glass and frame Without direct / indirect contact		
	Basis	Hersteller	Prüfdatum
Ködisil N	Silicone	KÖMMERLING	own product
KAWO SL 55	Silicone	Karl Wolpers	R
KAWO SL 54	Silicone	Karl Wolpers	R
KAWO SF 88	Silicone	Karl Wolpers	R
Sikasil N-plus	Silicone	SIKA	R
EGO Silicon 360	Silicone	EGO	CT-2005
EGO Silicon 460	Silicone	EGO	R
Ottoseal S 110	Silicone	Otto Chemie	R
Ottoseal S 120	Silicone	Otto Chemie	R
EVT Fenster HF	Silicone	EVT	R
DC 791	Silicone	Dow Corning	R
DC 796	Silicone	Dow Corning	R
DC 797	Silicone	Dow Corning	R
MultiSil	Silicone	Remmers	R
SaBesto Neutral-Silicone Spezial	Silicone	Würth	R
Neutral 120	Silicone	Ramsauer	R
Alkoxy 130	Silicone	Ramsauer	R
Multiflex 131	Silicone	Ramsauer	R
Fassade 350	Silicone	Ramsauer	R
2-K Kleber 670	Silicone	Ramsauer	R
Perennator FA 101, transparent	Silicone	Tremco Illbruck	CT-2013

Application	2.2		
	Fixing of glazing blocks ^{1, 2, 3}		
	Basis	Hersteller	Prüfdatum
GD 823 N	Silicone	KÖMMERLING	own product
GD 826 N	Silicone	KÖMMERLING	own product
Ködisil N	Silicone	KÖMMERLING	own product
Ködiglaze S, SDG	Silicone	KÖMMERLING	own product
Ottoseal S110	Silicone	Otto Chemie	R
EGO Silicon 333, 360, 460	Silicone	EGO	R
Sikasil WT 480, WT 485	Silicone	SIKA	CT-2010
Sikasil WS 605 S	Silicone	SIKA	CT-2009
Sikaseal AS 785	Silicone	SIKA	VP-2017
DC W 15 LM, DC 794 N, DC 3540	Silicone	Dow Corning	E
DC 758, DC 790, DC1299	Silicone	Dow Corning	VP-2017
DC 121, DC 799, DC 1199	Silicone	Dow Corning	VP-2017
DC 791, DC 795, DC 895	Silicone	Dow Corning	E
Adfast 1941, 1943, 4551	Silicone	Adseal	VP-2017
Adfast 4588, 4943, 4563	Silicone	Adseal	VP-2017
MultiSil	Silicone	Remmers	E
490 Glasleistenfüller	Silicone	Ramsauer	VP-2015
Neutral 120	Silicone	Ramsauer	VP-2015
Alkoxy 130	Silicone	Ramsauer	VP-2015
Fassade 350	Silicone	Ramsauer	VP- 2008
Perennator FA 101, transparent	Silicone	Tremco Illbruck	VP-2013
Tremco FA 151, transparent	Silicone	Tremco Illbruck	E
Tremglaze S500	Silicone	Tremco	VP-2017
Soudaseal 240 FC	Silicone	Soudal	E
Silirub N	Silicone	Soudal	VP-2017
SCS 2000 SilPruf, SCS 2800 Silglaze II, SSG 4600	Silicone	GE Momentive	VP-2017

¹ only valid for the fixing of glazing blocks with low amount of application (< 2 cm³)

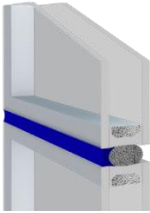
² not valid as prove of compatibility between glazing block material and adhesive sealant

³ categorical extender containing materials are excluded for use (mineral oil, solvents, etc.)

Application		2.3	
		Bonding in windows • Rebate bonding • Overlap bonding • Glass edge bonding • Burglar resistant glazing (RC)	
Rebate bonding	Base	Manufacturer	Foundation
Ködiglaze SDG	Silicone 1 + 2K	KÖMMERLING	own product ⁷
GD 823 N	Silicone 1K	KÖMMERLING	own product ⁷
DC 993	Silicone 2K	Dow Corning	R
DC 994	Silicone 2K	Dow Corning	R
Sikasil WT 470, 480, 485, 40	Silicone 1 + 2K	SIKA	R
Overlap bonding	Base	Manufacturer	Foundation
Ködiglaze SDG	Silicone 1 + 2K	KÖMMERLING	own product ⁷
GD 823 N	1k Silicone	KÖMMERLING	own product ⁷
DC 993	Silicone	Dow Corning	R
DC 994	Silicone	Dow Corning	R
Sikasil WT 470, 480, 485, 40	Silicone 1 + 2K	SIKA	R
Glass edge bonding	Base	Manufacturer	Foundation
as Rebate bonding			
Burglar resistant glazing (RC)	Base	Manufacturer	Foundation
as Rebate bonding			

⁶ test reports for RC-2 glazing available, approval with several system houses

⁷ for 1p silicone it has to be ensured that the sealing depth is limited to max. 10 mm and a proper curing is assured

Application	2.4		
	Sealant for the weather joint ^{4, 5}		
	Base	Manufacturer	Foundation
GD 826 N	Silicone	KÖMMERLING	own product
DC 991	Silicone	Dow Corning	CT- 2009
DC 756 SMS	Silicone	Dow Corning	CT- 2006
DC 795	Silicone	Dow Corning	R
Ottoseal S7	Silicone	Otto Chemie	R
Fassade 350	Silicone	Ramsauer	CT- 2008
Sikasil WS 605 S	Silicone	SIKA	CT-2009
Spectrem 2	Silicone	Tremco Illbruck	CT-2009

⁴ not valid as prove of compatibility between sealant for the weather joint and backer material or joint limitation

⁵ good experiences exist with closed cell PE foam backer material and plasticizer free HV silicone profiles

Important Notice

INFO

We indicate that the mentioned information are based on laboratory tests on provided samples and/or the technical declaration of the particular manufacturer.

The in this document provided recommendations do not release the user from own tests since we have no knowledge on consistency of formulation, manufacturing process, and influence of ageing behavior on compatibility of foreign products.

Especially the compatibility respectively interaction depends on the amount of material in contact and therefore on the way of completion.

Please refer to the technical information “TI 033 compatibility“!

For non-listed products and/or applications please contact our technical service.

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