

TI 183 Vers. 2.0 e

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

Content

The Technical Information TI 183 is about the application of direct and indirect contact with **GD 920 D** insulating glass edge seal and therefore probably suitable products from Kömmerling or from other manufacturers.

- 1. Preface..... 1
- 2. Headline **Fehler! Textmarke nicht definiert.**

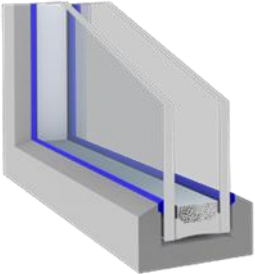
1. Preface

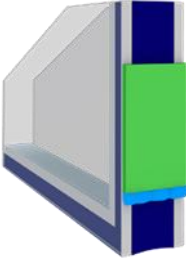
The following mentioned products are recommended because of their declared properties, manufacturer recommendations or internal respectively external tests. As a general rule the suitability for the desired application has to be approved by adequate self-testing of the user. Other manufacturer should also 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.

INFO	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

2. Case of Application

Application	2.1		
	<p>Sealing between glass and frame Without direct / indirect contact</p>		
	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
Ottoseal S7, S9, S10	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
DC W 15 LM	Silicone	Dow Corning	R
DC 794 N	Silicone	Dow Corning	R
DC 3540	Silicone	Dow Corning	R
DC 791, DC 795	Silicone	Dow Corning	R
DC 895	Silicone	Dow Corning	R
MultiSil	Silicone	Remmers	R
490 Glasleistenfüller	Silicone	Ramsauer	CT-2015
Neutral 120	Silicone	Ramsauer	CT-2015
Alkoxy 130	Silicone	Ramsauer	CT-2015
Fassade 350	Silicone	Ramsauer	CT- 2008
Perennator FA 101, transparent	Silicone	Tremco Illbruck	CT-2013
Tremco FA 151, transparent	Silicone	Tremco Illbruck	R
Soudaseal 240 FC	Silicone	Soudal	R

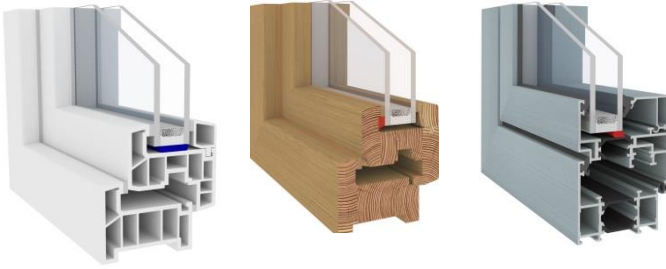
¹ only valid for the fixing of glazing blocks with low amount of application (< 2 cm³)

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	
DC 994	Silicone 2K	Dow Corning	

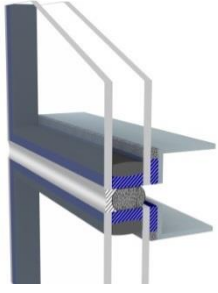
Overlap bonding	Base	Manufacturer	Foundation
Ködiglaze SDG	Silicone 1 + 2K	KÖMMERLING	own product ⁷
GD 823 N	1k Silicone	KÖMMERLING	own product ⁷
DC 993	Silicone	Dow Corning	R
DC 994	Silicone	Dow Corning	R

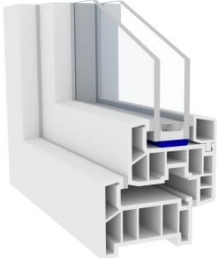
Glass edge bonding	Base	Manufacturer	Foundation
Ködiglaze SDG	2p Silicone	KÖMMERLING	own product
Ködiglaze SDG 1C	1p Silicone	KÖMMERLING	own product
GD 823 N	1p Silicone	KÖMMERLING	own product

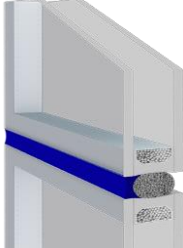
Burglar resistant glazing (RC)	Base	Manufacturer	Foundation
Ködiglaze SDG	2p Silicone	KÖMMERLING	own product

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 m and a proper curing is assured

Application	2.4		
	Structural Glazing sealant direct / indirect contact		
	Base	Manufacturer	Foundation
Ködiglaze S	Silicone	KÖMMERLING	own product
DC 993, DC 993 N	Silicone	Dow Corning	R / CT-2015
DC 895	Silicone	Dow Corning	R / CT-2015
DC 995, DC 983	Silicone	Dow Corning	R / CT-2015
DC 121	2-part Silicone	Dow Corning	R / CT-2017
SSG 4600 UltraGlaze	2-part Silicone	GE / Momentive	R / CT-2017

Application	2.4		
	Bonding in windows <ul style="list-style-type: none"> • Back bedding 		
	Back bedding	Base	Manufacturer
DC 1199	Silicone	Dow Corning	R / CT-2017
DC 1299 (seam sealer)	Silicone	Dow Corning	R / CT-2017
Silglaze SCS 2800	Silicone	Momentive / GE	R / CT-2017
Ködiglaze SDG	Silicone 1 + 2K	KÖMMERLING	own product ⁷

Application	2.5		
	Sealant for the weather joint ^{4, 5}		
	Base	Manufacturer	Foundation
GD 826 N	Silicone	KÖMMERLING	own product
DC 991, DC 791,	Silicone	Dow Corning	R / CT-2015
DC 756 SMS, DC 795	Silicone	Dow Corning	R / CT-2015
DC 790 (building silicone)	Silicone	Dow Corning	R / CT-2017
DC 121	2-part Silicone	Dow Corning	R / CT-2017
DC 799	Silicone	Dow Corning	R / CT-2017
Ottoseal S7	Silicone	Otto Chemie	CT-2011
Fassade 350	Silicone	Ramsauer	CT- 2008
Sikasil WS 605 S	Silicone	SIKA	CT-2009
Tremco Spectrem 2	Silicone	Tremco Illbruck	CT-2009
Pecora 896 TBS	Silicone	Pecora	CT-2010
Rhodorsil V70 black	Silicone	Bluestar Silicone	CT-2011
SCS 2000 Silpruf	Silicone	Momentive / GE	R / CT-2017
Silglaze SCS 2800	Silicone	Momentive / GE	R / CT-2017

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

Application	2.6		
	Glazing blocks		
	Base	Manufacturer	Foundation
Glazing blocks	PE	several	R
Glazing blocks	PP	several	R
Glazing blocks	PA <small>(fibre glass reinforced)</small>	several	R

INFO | **EPDM and Neoprene** vary in their content of plasticizer respectively extender (mainly mineral oil) between 15 and 40% and therefore cannot be recommended.

Silicone glazing blocks or glazing profiles are available on the market in a wide variety of qualities. This means that also the plasticiser content might vary in a wide range. Depending on the application ingredients might be silicone oils / or mineral oils. To ensure compatibility silicone blocks or profiles should be based on plasticiser free VQM- or HV-Silicone polymer. These should be tempered so that the extractable components of the materials are below 3% and the weight loss after 4h at 200°C is below 1%.

INFO | **Silicon glazing blocks or profiles:** tempered, based on VQM or HV-silicone polymer, extractable components < 3%, weight loss < 1%

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.

Every endeavour has been made to ensure that the information given herein is true and reliable but it is given for guidance only and is based on our own internal laboratory testing, having followed the correct storage, handling and application procedures. Due to the many and varied potential applications of our product in combination with many different materials, as well as variations in materials and processing methods that are beyond our control, users are advised to carry out their own tests to determine whether or not the product is suitable for their own application. We will be pleased to provide assistance on request. All technical data, product specifications, testing, measurement and processing methods and any recommendations quoted in this Technical Information are subject to change. The latest version of can be obtained from us. This document is a translation of the German version that was valid at the time of translation. It may not be reprinted, copied or published in whole or in part without our prior written consent.

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