

TI 099 Vers. 12.1 e

Test and recommendation list in combination with Kömmerling **GD 116** Polysulfide sealant

Sealant compatibility

Content

The Technical Information TI 099 is about the application of direct and indirect contact with **GD 116** 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.

INFO

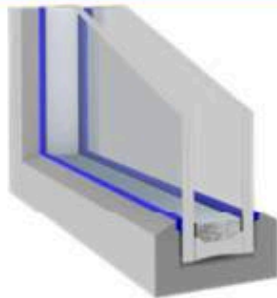
CT-xxxx	→ Compatibility testing with year of testing
MT-xxxx	→ Test performed by manufacturer with year of testing
R	→ Recommendation due to the properties and/or quality according the product information

INFO

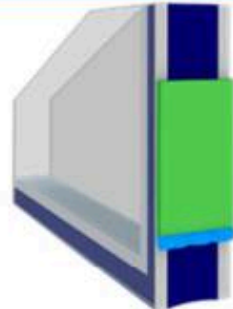
Please refer to the technical information “TI 033 compatibility“!

2. Case of Application

Application examples



2.1



2.2

2.1 and / or 2.2

2.1 Without direct contact
e.g. Sealing between glass and frame

2.2 Direct or indirect contact
with small amount and no permanent
static loads.
e.g. fixing of glazing blocks

Important: Please follow the manufacturer's
instructions for usage of the specific product.

MT/CT type of test = ift Guideline DI-01/1 „P1“
three test

	Base	Manufacturer	Foundation
GD 823 N	Silicone	KÖMMERLING	own product
GD 826 N	Silicone	KÖMMERLING	own product
Ködisil N	Silicone	KÖMMERLING	own product
Körapur 125	Polyurethane	KÖMMERLING	own product
Ködiglaze P	Polyurethane	KÖMMERLING	own product
Ottoseal S7, S9, S10	Silicone	Otto Chemie	E
Ottoseal S110, S120	Silicone	Otto Chemie	CT -2013
EGO Silicon 333, 360, 460	Silicone	EGO	MT -2015
Sika WT 470, WT 480	Silicone	SIKA	CT -2007
Sikasil WS 605 S	Silicone	SIKA	CT -2009
Sikaseal SG20, SG500	Silikon	SIKA	CT -2015
DC W 15 LM	Silicone	Dow Corning	CT -2005
DC 794 N	Silicone	Dow Corning	CT -2005
DC 3540	Silicone	Dow Corning	R
DC 791, 795, 790, 895	Silicone	Dow Corning	R
DC 756 SMS	Silicone	Dow Corning	CT -2014
DC 758, 790, 797	Silicone	Dow Corning	R
DC 995	Silicone	Dow Corning	CT -2018
DC 796	Silicone	Dow Corning	CT -2019
MultiSil	Silicone	Remmers	MT -2008 CT-2023
Cosmopur K1 PUR Montageklebstoff	Polyurethane	Weiss Chemie	CT -2013
Neutral 120	Silicone	Ramsauer	CT -2015
Alkoxy 130	Silicone	Ramsauer	CT -2015
Multiflex 131	Silicone	Ramsauer	CT -2015
Fassade 350	Silicone	Ramsauer	CT -2015
2K Kleber 670	Silicone	Ramsauer	CT -2015
Perennator FA 101, transparent	Silicone	Tremco Illbruck	CT -2013
Tremco FA 151, transparent	Silicone	Tremco Illbruck	CT -2012
Soudaseal 240 FC	Silicone	Soudal	CT -2010
Silirub+S8100	Silicone	Soudal	CT-2018
Modesil N°11	Silicone	LAKMA	CT -2016
2H Sil Premium	Silicone	Heller	CT -2016
Parasilico AM 85-1	Silicone	DL Chemicals	CT -2018
Parasilico Monument „black“	Silicone	DL Chemicals	CT -2018
Gomastit 400	Silicone	Merz+benteli	CT -2018

Danafix SG60S	Silicone	Dana Lim	CT-2022
Danafix SG20S	Silicone	Dana Lim	CT-2022
Danaseal Silicone 514	Silicone	Dana Lim	CT-2022
Sikasil N-plus	Silikon	SIKA	R
Sikasil SG 20	Silikon	SIKA	CT-2015
Sikasil SG 500	Silikon	SIKA	CT-2015
EVT Fenster HF	Silikon	EVT	R
Silprof SCS 2000	Silikon	Momentive	R
Silglaze II SES 2800	Silikon	Momentive	R
SaBesto Neutral-Silikon Spezial	Silikon	Würth	R
2H Sil Premium	Silikon	Heller	CT-2016
Renoseal	Silikon	Bloem	CT-2016
Silikon Doors a. Windows 4588	Silikon	Adseal	CT-2017

Application



R

O

G

2.3

Bonding in windows ⁸

- Rebate bonding (R)
- Overlap bonding (O)
- Glass edge bonding (G) ⁷
- Burglar resistant glazing (RC)

MT/CT type of test = depends on purpose / type of bonding

	Base	Manufacturer	Application	Foundation
Ködiglaze P	Polyurethane	Kömmerring	R, RC	own product
Ködiglaze SDG 1C,	Silicone (1c)	Kömmerring	O, G	own product
Ködiglaze SDG 10, 30	Silicone (2c)	Kömmerring	R, O, G	own product
ap.bond 2k	Silicone	Aluplast	R	MT-2010
ap bond 1k	Polyurethane	Aluplast	R	CT-2015
Ottocoll S 81	Silicone	Otto Chemie	R, O, G	MT-2017
Ottocoll S 670	Silicone	Otto Chemie	R, O, G	MT-2017
Sikasil WT 40, 65, 66	Silicone	Sika	R, O, G	CT-2020
Sikasil WT 470, 480, 485	Silicone	Sika	R, O, G	CT-2020
Fix-O-Round	Silicone	Sika	G	CT-2016
Spezialkleber P	Polyurethane	Schüco	R	CT-2015
Spezialkleber S	Silicone	Schüco	O, G	CT-2019

Under certain conditions, the use of products from other manufacturers is possible. For details please contact our technical service. It is also necessary to obtain the approval of the respective manufacturer and / or (profile) system provider.

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

⁸ In reference of bonding position and frame system, different test methods are required. For details please contact our technical service.

Application



2.4

Sealant for the weather joint ^{4, 5}

MT/CT type of test = ift Guideline DI-01/1 „P2“ adhesion and “P3” Insulating glass test

	Base	Manufacturer	Foundation
GD 826 N	Silicone	KÖMMERLING	own product
DC 991	Silicone	Dow Corning	R
DC 756 SMS	Silicone	Dow Corning	R
Ottoseal S7	Silicone	Otto Chemie	R
Ramsauer 350	Silicon	Ramsauer	CP-2015

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.

For safety related data please refer to the safety data sheet!

IMPORTANT: Information, specifications, procedures and recommendations provided ("information") are based on our experience and we believe this to be accurate. No representation, guarantee or warranty is made as to the accuracy or completeness of the information or that use of the product will avoid losses or damages or give desired results. It is user's sole responsibility to test and determine the suitability of any product for the intended use. Tests should be repeated if materials or conditions change in any way. The user is advised to review the specific context of the intended use to determine whether the user's intended use violates any law or infringes upon any patent(s). No employee, distributor or agent has any right to change these facts and offer a guarantee of performance.

NOTE TO USER: by ordering/receiving product you accept the H.B. Fuller General Terms and Conditions of Sale applicable in the region. Please request a copy if you have not received these. These Terms and Conditions contain disclaimers of implied warranties (including but not limited to disclaiming warranties of fitness for a particular purpose) and limits of liability. All other terms are rejected. In any event, (1) the total aggregate liability of H.B. Fuller for any claim or series of related claims however arising, in contract, tort (including negligence), breach of statutory duty, misrepresentation, strict liability or otherwise, is limited to replacement of affected products or refund of the purchase price for affected products. (2) H.B. Fuller shall not be liable for loss of profit, loss of margin, loss of contract, loss of business, loss of goodwill or any indirect or consequential losses arising out of or in connection with product supply. (3) Nothing in any term shall operate to exclude or limit H.B. Fuller's liability for fraud, gross negligence or for death or personal injury caused by negligence, or for breach of any mandatory implied terms unless permitted by law.

Kömmerring Chemische Fabrik GmbH

Zweibrücker Str. 200 | 66954 Pirmasens | Germany

Phone +49 6331 56-2000

Fax +49 6331 56-1999

www.koe-chemie.de

info@koe-chemie.de

