



## Technical Data Sheet Art. No. 7378 - 7398

# MultiSil

## Silicone rubber sealant (DIN 18545-E)

Neutral cross-linking (alkoxy system)

Building material B1, DIN 4102 part 1.

- DIN EN 15651-1: F-EXT-INT-CC 25LM

- DIN EN 15651-2: G-CC 25LM

- DIN EN 71-3: S

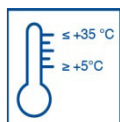
- DIN EN 15651.4: PW-EXT-INT-CC 12,5E



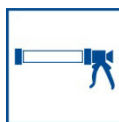
For use indoors  
and outdoors



Safe for food



Working  
temperature



Sealing  
compound gun



Store frost-free  
and cool,  
protected from  
moisture/ in  
closed containers



Shelf-life

### Range of use

Remmers MultiSil is a low odour silicone sealant that contains an active product preservative. The sealant is compatible with bitumen. For universal use for glazing work and window construction.

It can also be used as an abrasion resistant sealant in sanitary areas, for expansion joints in buildings and for connection joints subjected to heavy loads.

The application areas are proved by various test certificates.

MultiSil adheres extremely well and does not need an adhesive primer on many substrates.

### Substrate

#### Requirements:

The sides of the joints should be load-bearing, dry, clean and free of grease and metals should be clean and sound.

#### Preparation:

Remove loose and insufficiently adhering coatings. For buildings, joint dimensions should comply with DIN 18540.

### Characteristic data of the product

Density (DIN EN ISO 1183-1):	approx. 1.0 g/ml
Skin formation time (normal climate):	approx. 8 minutes
Hardening rate:	approx. 2 mm/day (+23 °C/50 % relative humidity)

#### Characteristic data of the product in the hardened state:

Expansion-stress value 100 %: (DIN (EN ISO 8339):	0.28 N/mm <sup>2</sup>
Elongation at tear (DIN (EN ISO 8339):	> 200 %
Resilience (DIN (EN ISO 7389):	> 80 %
Volume shrinkage (DIN EN ISO 10563):	approx. -4 %

Bring joints that are too deep to the proper depth by filling with Remmers Backing Rods. In window areas, observe the rules in DIN 18545 or the information given by IFT Rosenheim.

Use Silicone Primer P as an adhesive primer; observe flash-off time.

### Directions

Open the cartridge and cut off the nozzle at an angle corresponding to the width of the joint. Fill the joint with MultiSil. Apply the material with sufficient pressure to the sides of the joints, then smooth immediately with a moist spatula.

#### Working temperature:

+5 °C to +35 °C

### Notes on working

Do not use on natural stone. This product is not suitable for aquariums or for joints underwater.

Silicone sealants have a general tendency to yellow under certain conditions. The most important influence factors are:

- Contact with coating systems on an alkyd resin or linseed-oil base
- Contact with resins and terpenes due to the type of wood
- Contact with cleaners that contain aldehydes or ketones.
- Dark rooms
- Contamination through cigarette smoke

To prevent yellowing, these influences should be avoided.

The times given for skin formation and thorough hardening depend on how long the product was stored and change with ageing of the product.

The speed of the progression of vulcanisation with single component sealants decreases with increasing depth of placement. This is especially the case when joint dimensions or joint depths do not comply with the standard and are >10 mm.

### Possible system products

- Sealant guns (Art. No. 4701, 4702, 4706)
- Compressed Air Gun (Art. No. 4707)
- Induline window coating systems
- Narrow Joint (art. No. 2876, 2879)
- Wide Joint (Art. No. 2881, 2883)
- Flex Joint (Art. No. 2891, 2899)
- Color Joint EP (Art. No. 2861, 2862)
- Silicone Primer P (Art. No. 7270)
- Smoothing Agent (Art. No. 7725)

### Tools, cleaning

Hand or Compressed Air Gun, filling knife and adhesive tape

### Packaging, application rate, shelf-life

#### Packaging:

310 ml cartridges, aluminium bags 400 ml and 600 ml according to the valid product programme

#### Application rate:

Approx. 100 ml/running metre for a 1 cm<sup>2</sup> joint cross-section.

#### Shelf-life:

9 months in unopened, original cartridges stored cool, dry and protected from frost.  
Special formulations (colour/consistence) 6 months.  
Observe the information given on the label.

### Safety / Rules

Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.





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EN 15651-1: 2012

EN 15651-2: 2012

EN 15651-3: 2012

EN 15651-4: 2012

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Sealant for facade for interior and exterior application (intended for use in cold climates), F-EXT-INT-CC;

Sealant used for sealing glazing applications (intended for use in cold climates), G-CC;

Sealant for joints for application in sanitary areas, S;

Sealant for facade for interior and exterior application (intended for use in cold climates), PW-EXT-INT-CC

Conditioning: Method A  
 Substrate: Mortar M1/ glass  
 Pre-treatment: Glass without pre-treatment / mortar M1 with Silicone Primer P

Reaction to fire	Class E
Water tightness and air tightness	
Resistance to flow	≤ 3 mm
Loss of volume	≤ 10 %
Vertical flow resistance	≤ 3 mm
Tear resistance	NF
Tensile properties at maintained extension after water immersion	NF
Tensile properties (i.e. elongation) after immersion in water at (23 °C)	≥ 25 %
Tensile properties at maintained extension	NF
Tensile properties at maintained extension at -30°C	NF
Tensile properties (i.e. secant modulus) at -30°C	≤ 0,9 MPa
Elastic recovery	≥ 60 %
Adhesion/cohesion properties after exposure to heat water and artificial light	NF
Adhesion/cohesion properties at maintained extension after 28 days water immersion	NF
Adhesion/cohesion properties at maintained extension after 28 days salt water immersion	NF
Microbiological growth	3
Durability	passed

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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