

Torggler

Sealants and Adhesives

WINDOW

Neutral curing single-component silicone sealant for the installation and sealing of connection and expansion joints between frames and walls.



- In compliance with UNI 11673
- UV-resistant
- For interior and outdoor use
- Anti-mould agent
- MEKO FREE formulation



APPLICATION AREAS

- Sealing the joint between the window frame and the wall
- Single-glazed contact seals
- Sealing of connection and expansion joints on the building envelope and roofing (thinsmith works, etc.)

MAXIMUM ATTAINABLE THICKNESSES

Joint dimensioning:

Minimum width = 6 mm.

For widths up to 10 mm, the depth must be equal to the width of the joint, but not less than 6 mm.

For widths from 10 to 20 mm the depth must be at least 10 mm.

For widths over 20 mm the depth must be half the width.

FEATURES

A neutral, single-component silicone sealant with a low modulus of elasticity and an operating elongation of class 25 LM ($\pm 25\%$). Its characteristics make it suitable for the elastic sealing of joints and expansion joints

from frame and wall. Curing takes place by reaction with atmospheric humidity, it does not release odours, like all silicones it is not paintable and cannot be applied on damp surfaces. It has a high resistance to UV radiation, weathering, water stagnation, extreme temperatures and ageing in general. Neutral-based silicones do not corrode metals and have excellent adhesion on smooth and porous substrates. The wide range of colours available is designed to match Window to metal profiles for sheet metal and window frames, whether liquid or powder-coated. In any case, given the multiplicity of paints on the market, it is always recommended to carry out preliminary adhesion tests. In compliance with the installation of windows and doors according to UNI 11673-1.

WARNINGS

Window is not suitable for structural bonding.

Not suitable for marble or natural stone substrates. In such cases use Marble & Stone or Hybrid LM.

INSTRUCTIONS FOR USE

1. The sides of the joint must be clean, degreased and dry. With porous substrates it is recommended to treat previously with Primer Silicone. In deep expansion joints buffer with Synthetic Plugging Cord before sealing.
2. Tape along the sides of the joint.
3. Insert the cartridge into the cartridge gun, open it, screw on the nozzle and cut off the tip so that there is a sufficient opening.
4. Inject plenty of sealant.
5. Smooth with a spatula moistened with Smooth within 5 minutes of application, exerting pressure to eliminate air pockets.
6. Remove tape immediately after smoothing.

Cleaning tools: in the plastic state of the sealant with solvents; after hardening only mechanically.

TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	BASE TRASPARENTE**	BASE CARICATO***
Density (ISO 1183-1)	1,02 g/ml	1,27 g/ml
Application temperature	+5 °C to +40 °C	+5 °C to +40 °C
Skin-over time (MIT 33*)	20 minutes	15 minutes
Hardening rate from the outside to the inside at +23 °C (MIT 32*)	2 mm in 24 h	1,5 mm in 24 h
Operating temperature	-30 °C to +150 °C	-30 °C to +150 °C
Surface hardness (ISO 868)	Riva A = 17	Riva A = 24
Variation in volume (EN ISO 10563)	5%	
Slip resistance (EN ISO 7390)	0,0 mm	0,0 mm
Elongation at break (DIN 53504 – S3)	250%	200%
Tensile strength at break (DIN 53504 – S3)	0,7 N/mm ²	0,7 N/mm ²
Modulus of elasticity at 100% (DIN 53504 – S3)	0,3 N/mm ²	0,4 N/mm ²
Elongation at break (EN ISO 8339/A – G/Al)	270%	210%
Tensile strength at break (EN ISO 8339/A – G/Al)	0,3 N/mm ²	0,4 N/mm ²
Modulus of elasticity at 100% (EN ISO 8339/A – G/Al)	0,21 N/mm ²	0,29 N/mm ²
Elastic recovery (EN ISO 7389/B – G/Al)	> 70%	> 70%

Maximum operating elongation (ISO 11600)	25%	25%
Acid resistance	excellent	excellent
Base resistance	excellent	excellent
Odour after curing	none	none

* Torggler Internal Methods are available on request.

**Grey 7004, Metallic grey 7024, Green 6005, Walnut 8011, Golden oak 8003, Dark brown 8017

***White 9010, White 9016, Ivory 1013, Anthracite 7016, Black 9005, Light Grey 7047

Color	Anthracite 7016, Black 9005, Bright grey 7047, Green 6005, Grey 7004, Ivory 1013, Metallic grey 7024, White 9010, White 9016, Dark brown 8017, Golden oak 8003, Transparent, Walnut Nussbaum 8011
Packaging size	12x310 ml, 20x600 ml, 24x310 ml
Packaging	cartridge, foil bag
Pallet	116 cardboards, 36 cardboards, 64 cardboards

CONSUMPTION


INDICATIVE TABLE OF CONSUMPTION			
JOINT WIDTH X DEPTH (MM)	COVERAGE PER LINEAR METRE	LINEAR METRES COVERED WITH ONE CARTRIDGE	LINEAR METRES COVERED WITH ONE FOIL BAG
6x6	36 ml	8,7	16,7
8x8	64 ml	4,9	9,4
10x10	100 ml	3,1	6,0
15x10	150 ml	2,1	4,0
20x10	200 ml	1,5	3,0

STORAGE

Window must be stored in a dry and cool environment. Under such conditions, it is stable for at least 18 months. Cartridges that are not completely consumed can be stored for about 3 months if tightly closed.

CERTIFICATIONS

LEGEND FOR CLASSIFICATION ACCORDING TO EN 15651	
F	Sealant for non-structural joints for the building trade, on facades. (F = facade elements)
INT	Sealant for internal use only.
EXT-INT	Sealant for internal and external use.
CC	Sealant tested for cold climates. (CC = cold climate - testing done at -30 °C)
G	Sealant for non-structural joints on glazing and door and window frames. (G = glazing)
S	Sealant for non-structural joints in bathroom installations. (S = sanitary joints)
XS	Sealant for joints in bathroom installations with improved performance.
PW	Sealant for non-structural joints on pedestrian walkways. (PW = pedestrian walkways)



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