

Sealants and Adhesives

WINDOW PRO

Professional neutral single-component silicone sealant for windows and doors and the sealing between glass, frame and finishing on glass fastening elements. Compatible with double-glazing and PVB.



- Mould-resistant
- UV-resistant
- Indoor and outdoor use
- Compatible with IG sealants
- Compatible with PVB
- Meko free formulation



APPLICATION AREAS

Window Pro is ideal for:

- Sealing joints between glass and window frames (metal, pre-painted, wooden or plastic)
- Sealing of glass fastening elements
- Sealing joints between window frames and walls (masonry, concrete, plaster)
- Sealing of joints for external and internal facade elements
- Waterproof as well as mould-resistant sealing of joints in sanitary areas

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

Neutral, single-component silicone sealant with a low modulus of elasticity and an operating elongation of class 25 LM ($\pm 25\%$). Thanks to a targeted formulation, it is compatible with the sealing of insulating glass units, preserving their characteristics over time, both in adhesion and proximity. It is also suitable for the elastic sealing of joints and expansion joints between frame and wall. It does not release odours and is highly resistant to UV rays, air and water and any stagnation. It withstands extreme temperatures ($-50\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$) and ageing in general. Neutral-based silicones do not corrode metals and have excellent adhesion on smooth and porous substrates. Window Pro complies with EN ISO 11600, class F 25 LM and is classified as F-EXT/INT-CC according to EN 15651-1 and G-CC 25 LM according to EN 15651-2. It complies with the installation of windows and doors according to UNI 11673-1.

WARNINGS

Torggler provides information on the compatibility of products with various materials used in construction and industry. However, the company cannot guarantee the full suitability of the product for each specific application due to the many unverifiable conditions and methods of use. Preliminary tests are recommended to ensure full material compatibility and perfect adhesion before starting large-scale production. In the case of adhesion on porous substrates, the prior use of Silicone Primer is recommended in order to avoid the possible formation of halos due to potential migration of the silicone plasticiser. Window Pro is not suitable for structural bonding. It does not adhere to Teflon, polyethylene and polypropylene as well as to damp substrates. Cross-linked silicone is not overpaintable. If in doubt, please contact our technical department.

INSTRUCTIONS FOR USE

1. The joint flanks must be clean, degreased and dry. With porous substrates it is recommended to treat with Primer Silicone beforehand. Deep expansion joints must be dabbed with suitable pre-formed pads, such as Torggler Synthetic Plugging Cord.
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 as to obtain a sufficient opening.
4. Inject plenty of sealant.
5. Smooth with a spatula moistened with Smooth sealant 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	Value
Density (ISO 1183-1)	1,02 g/ml
Application temperature	$+5\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$
Hardening rate from the outside to the inside at $+23\text{ }^{\circ}\text{C}$ (MIT 32*)	2,4 mm in 24 h
Operating temperature	$-30\text{ }^{\circ}\text{C}$ to $+150\text{ }^{\circ}\text{C}$
Surface hardness (ISO 868)	Shore A: max = 25 /15" = 18
Elongation at break (S3) (DIN 53504)	approx. 700 %
Modulus of elasticity at 100% (S3) (DIN 53504)	0,4 N/mm ²
Tensile load at break (S3) (DIN 53504)	1,00 N/mm ²
Elongation at break (EN ISO 8339/A)	130 %
Modulus of elasticity at 100% (EN ISO 8339/A)	0,35 N/mm ²
Tensile load at break (EN ISO 8339/A)	0,4 N/mm ²
Elastic recovery (EN ISO 7389/B)	> 90 %
Resistance to flow (EN ISO 7390)	0,0 millimetres

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

* Torggler Internal Methods are available on request.

Color	Black 9005, Bright grey 7047, Green 6005, Grey 7004, Ivory 1013, Metallic grey 7024, Walnut 8011, White 9010, White 9016, Anthracite 7015, Transparent
Packaging size	12x310 ml, 20x400 ml, 20x600 ml, 24x310 ml, 20 l
Packaging	cartridge, drum, foil bag
Pallet	116 cardboards, 36 cardboards, 64 cardboards

CONSUMPTION


JOINT WIDTH X DEPTH (MM)	COVERAGE PER LINEAR METRE	LINEAR METRES COVERED WITH ONE CARTRIDGE
6x6	36 ml	8,7
8x8	64 ml	4,9
10x10	100 ml	3,1
15x10	150 ml	2,1
20x10	200 ml	1,6
30x15	450 ml	0,7

STORAGE

In the original, unopened packaging and if stored in a dry, cool environment, the product will keep for at least 18 months. Unopened cartridges can be stored for approximately 3 months if properly 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)



The information contained in this document is reported on the basis of our experience and knowledge; therefore, any recommendations and suggestions made are without any guarantee and must be verified before using the product by those who intend to use it, who assume all responsibility that may result from its use since the conditions of use are not under our direct control. In case of doubt, it is always advisable to make preliminary tests and/or ask for the intervention of our technicians. Torggler reserves the right to modify, replace and/or delete the items, as well as to change the product data in this document without prior notice; in this case the indications given here may no longer be valid. Always refer to the latest version of the data sheet, available at www.torggler.com. Version 01.07.2024.