

# Torggler

## Silicone Sealant

# NEUTRAL

### STANDARD

Transparent neutral-curing silicone sealant for door and window frames.

- Excellent resistance to aging
- Strong seal
- Colours: transparent

### FEATURES

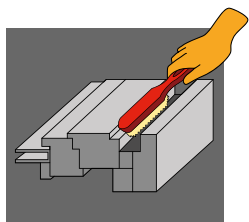
Neutral has an insuperable resistance to aging, so much so that even in joints that are 20 years old there are no traces of surface hairline cracks and flaking, in spite of prolonged exposure to ultraviolet rays and atmospheric agents. It adheres perfectly to a great variety of substrates, especially non-porous, but also to concrete and wood, and guarantees permanent elasticity and a perfect seal even without primer. Thanks to its neutral cross-linking skin-over, it does not emit unpleasant odours during application, and releases no acid or base substances that might corrode metal substrates, and does not attack paints. Neutral is classified as a non-structural sealant for glazing (type G) in compliance with EN 15651-2.

### APPLICATION RANGE

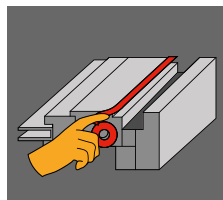
Neutral is successfully used in seals subject to differentiated movements between the glazing and the facade as it elastically connects the window or door to the wall and absorbs, without detaching, the movement of the confining construction members caused by thermo-hygrometric dilations or atmospheric stresses both vibrational and mechanical. It thus guarantees a long-lasting perfect seal against water and air, and reduces heat loss. Neutral is compliant with UNI 11673-1, "Fitting doors and windows Part 1: project verification requirements and criteria", and is therefore the ideal silicone-based sealant not only for aluminium but also for wood or PVC windows.



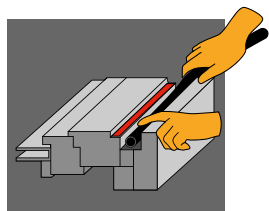
# INSTRUCTIONS FOR USE



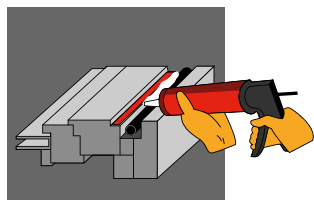
- 1.**  
The sides of the joint must be clean, degreased and dry. With porous substrates it is recommended to first treat with Silicon Primer.



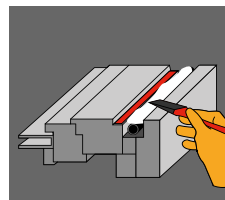
- 2.**  
Apply adhesive tape along the sides of the joint.



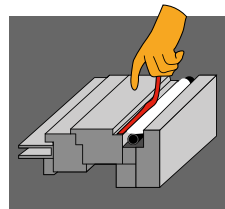
- 3.**  
Insert the pre-form.



- 4.**  
Extrude an abundant quantity of sealant.



- 5.**  
Smooth off with a damp paint scraper within 5 minutes of application, exerting enough pressure to remove any air bubbles.



- 6.**  
Remove the adhesive tape immediately after smoothing.

## SIZING OF THE JOINT

Minimum width = 6 mm. For joint widths of less than 10 mm, the depth must be equal to the width of the joint and in any case not less than 6 mm. For joint widths between 10 mm and 20 mm the depth must be at least 10 mm. For widths larger than 20 mm the depth must be at least half of the width.

## CLEANING OF TOOLS

While the sealant is in the plastic state use solvents; following setting clean only mechanically.

## OBSERVATIONS

Neutral is not suitable for structural bonding. Not suitable for marble or natural stone substrates. In this case use Marble or Universal. Neutral is not advised for use in sanitary environments such as bathrooms, kitchens, pools, shower booths etc. In these case Window & Sanitary is preferable, or Universal, with the anti-fungi and bacteriostatic additives that make them particularly resistant to moulds.

# TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUE
Density (ISO 1183-1):	1,02 g/ml
Application temperature:	from +5 °C to +40 °C
Skin-over time (MIT 33*):	approx. 20 minutes
Hardening rate from the outside to the inside at 23 °C (MIT 32*):	approx. 4,0 mm in 24 h
Operating temperature:	from -50 °C to +200 °C
Surface hardness Shore A (DIN 53505):	approx. 20
Elongation at break (DIN 53504 - Punch S3):	860 %
Tensile strength at break (DIN 53504 - Punch S3):	1,17 N/mm <sup>2</sup>
Modulus of elasticity at 100% (DIN 53504 - Punch S3)	0,28 N/mm <sup>2</sup>
Stretching to breaking point (EN ISO 8339/A Glass support-G/AI):	170 %
Tensile strength at break (EN ISO 8339/A Glass support- G, A):	0,38 N/mm <sup>2</sup>
Modulus of elasticity at 100% (EN ISO 8339/A Glass support- G, A):	0,31 N/mm <sup>2</sup>
Maximum operating elongation:	20%
Acid resistance:	Excellent
Base resistance:	Excellent
Odour after curing:	None

\* Torggler Internal Methods (MIT) are available on request.

JOINT WIDTH X DEPTH (MM)	COVERAGE GUIDE TABLE	
	QUANTITY USED 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	1,5


## STORAGE

Neutral must be stored in a cool, dry place. Stored in these conditions the product will keep for at least 12 months. Partly used cartridges can be stored for approx. 3 months provided they are tightly closed.

## PACKAGING

310 ml cartridges

## COLOUR RANGE

 Transparent



Torggler Chimica S.p.A., Via Verande 1/A, I – 39012 Merano (BZ)

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DoP n° 057/14

NB n° 0432

EN 15651-2:2012

Silicone Neutral: Sealant for glazing  
EN 15651-2: G

Conditioning: ISO 8339/A  
Substrate: G, Al

Reacton to fire	F	
Release of dangerous substances	NPD	
Water tightness and air tightness	Resistance to flow	≤ 10 %
	Loss of volume	≤ 3 mm
	Tensile properties at maintained extension after exposure to heat, water and artificial light	NF
	Elastic recovery	≥ 60 %
	Tensile properties [secant modulus at 23 °C]	≤ 0,4 N/mm <sup>2</sup>
	Tensile properties at maintained extension at 23 °C	NF
Durability	Passed	

## CERTIFICATIONS

The declarations of performance (DoP) are available on request.

### LEGENDA 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)

To the best of our knowledge the information given in this document is true and accurate. However, since we have no direct control over the actual conditions of use, our recommendations and suggestions are provided as a guide only and do not constitute a guarantee. If you have any doubts we recommend that you test the product before use or contact our specialists for further advice. Torggler Chimica S.p.A. reserves the right to change, substitute or delete items or otherwise make variations to the product data in this document without prior notice. It is possible therefore that the information given in this document is no longer valid. This document substitutes the previous version. Version 09.2018.