

Torggler

Sealants and Adhesives

DOMUS

Neutral curing silicone sealant with anti-mould agent and low modulus of elasticity.



- High UV-resistance
- For indoor and outdoor use
- Elastic elongation over 25% from -50 °C to +150 °C
- Colour matching with cementitious tile grout
- Meko Free formulation



APPLICATION AREAS

Domus is ideal for:

- Sealing joint and expansion joints on the building envelope and roofs
- Matching joint sealing on wooden profiles in the furniture and marine industries
- Waterproof and mould-resistant sealing of joints in bathrooms (baths, shower trays, sinks), spas and swimming pools
- Joint sealings in contact with glass
- Sealing of joints between window frame and wall

Its characteristics are such that the seals can absorb the movements transmitted by atmospheric, vibrational and mechanical stresses on the elements that make up a composite building or furnishing. Domus elastically connects the joint flanks, absorbing, without detachment, the movement of neighbouring building elements caused by differential thermo-hygrometric expansion or settlement. It therefore guarantees a perfect seal against water and air over time, reducing heat loss and preventing the formation of mould. The wide range of colours available is designed to match Domus with the painted metal profiles of sheet metal and window frames. Given the variety of paints on the market, however, it is always recommended to carry out preliminary adhesion tests.

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

Domus is a neutral silicone sealant with a low modulus of elasticity, resistant to UV rays and atmospheric agents, ideal for use on façades, roofs, in interior fittings in the marine industry, tinsmithing, and in door and window frames. The presence in the formulation of an agent with antimicrobial and anti-algal action makes it suitable for use in sanitary environments: the product resists boiling water and washing with chemically aggressive detergents, thus contributing to the hygiene of surfaces. Thanks to its neutral cross-linking, it does not develop unpleasant odours during application, does not release acid or basic substances that can corrode metal substrates and does not affect paints. It has excellent adhesion on both porous (masonry, concrete, plaster, wood) and non-porous (metal, plastic, glass, enamelled and porcelain surfaces) substrates. Domus is classified as a non-structural sealant for facades (type F-EXT/INT-CC 25 LM) in accordance with EN 15651-1, for glazing (type G-CC 25 LM) in accordance with EN 15651-2 and for sanitary applications (type S1) in accordance with 15651-3.

WARNINGS

Domus is not suitable for structural bonding.

Not suitable for marble or natural stone substrates. In these cases apply Primer Silicone in advance or 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 pre-treat with Primer Silicone. In deep expansion joints buffer with rigid foam profiles 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 voids.
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	DOMUS TRANSPARENT BASE**	DOMUS CARICATA BASE***
Density (ISO 1183-1)	1,04 g/ml	1,30 g/ml
Application temperature	+5 °C to +40 °C	+5 °C to +40 °C
Skin-over time (MIT 33*)	18 – 20 minutes	12 – 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)	Shore A = 18	Shore A = 23
Variation in volume (EN ISO 10563)	5%	
Slip resistance (EN ISO 7390)	0,0 mm	0,0 mm
Elongation at break (Fustella S3A) (DIN 53504)	250%	200%

Tensile strength at break (DIN 53504 – Fustella S3A)	0,68 N/mm ²	0,68 N/mm ²
Modulus of elasticity at 100% (DIN 53504 – Fustella S3A)	0,3 N/mm ²	0,4 N/mm ²
Elongation at break (EN ISO 8339/A – G/Al)	260%	220%
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
Storage	18 months	24 months

* Torggler Internal Methods are available on request.

** Colours on a transparent base: Transparent, Metallic Grey 7024, Walnut 8011, Green 6005, Jasmin 1013, Manhattan 7035, Pearl Grey 7040, Grey 7030, Vanilla 1015, Bahama 1001, Beige, Hazelnut 1011, Brown 8028, Chocolate 8003, Terracotta 3012, Chestnut 8028, Cement Grey 7032, Anthracite 7022

*** Colours on “caricata” base: White 9010, White 9016, Ivory 1013, Light Grey 7047, Anthracite 7016, Black 9005

	Anthracite 7016, Anthracite 7022, Bahama 1001, Black 9005, Bright grey 7047, Brown 1019, Cement grey 7032, Chestnut 8028, Chocolate 8003, Green 6005, Grey 7030, Hazelnut 1011, Ivory 1013, Jasmin 1013, Manhattan 7035, Metallic grey 7024, Pearl grey 7040, Terracotta 3012, Transparent, Vanilla 1015, Walnut 8011, White 9010, White 9016, Antique gold, Avio, Beige, Biscuit, Caramel, Cerulean, Dark grey, Grey green, Mocha Mousse, Sage, Sandbrown, Silk
	12x310 ml, 24x310 ml
Packaging	cartridge
Pallet	116 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	1,5

STORAGE

Domus must be stored in a dry and cool environment. Under such conditions, it is stable for at least 18 months (24 months for version “Base caricata”). Cartridges that are not completely consumed can be stored for about 3 months if tightly closed.

CERTIFICATIONS

Domus colori su base caricata

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Torggler S.r.l., Via Prati Nuovi 9, I – 39020 Marlengo (BZ) DoP n° 0204/22 EN 15651-1:2012 EN 15651-2:2012 EN 15651-3:2012 NB n° 1292			
EN 15651-1:2012: Sigillante per facciate per applicazione all'interno ed esterno adatto anche per l'uso in climi freddi (F-EXT/INT-CC 25 LM) EN 15651-2:2012: Sigillante per giunti per applicazione in vetrate adatto anche per l'uso in climi freddi (G-CC 25 LM) EN 15651-3:2012: Sigillante per giunti non strutturali utilizzati in ambienti sanitari (S1)			
Reazione al fuoco		E	EN 15651-1:2012 EN 15651-2:2012 EN 15651-3:2012
Rilascio di sostanze pericolose per la salute e l'ambiente		NPD	
Durabilità		Prova superata	
Impermeabilità all'acqua ed all'aria	Resistenza al flusso / allo scorrimento	≤ 3 mm	EN 15651-1:2012 EN 15651-2:2012 EN 15651-3:2012
	Perdita di volume	≤ 10%	
	Proprietà a trazione (cioè allungamento): in condizioni di estensione mantenuta dopo immersione in acqua a 23 °C	NF	EN 15651-1:2012 EN 15651-3:2012
	Proprietà a trazione (cioè in condizioni di estensione mantenuta a -30 °C)	NF	EN 15651-1:2012 EN 15651-2:2012
	Proprietà a trazione (cioè modulo secante a -30 °C)	≤ 0,9 MPa	
	Proprietà di adesione/ coesione dopo esposizione a calore, acqua e luce artificiale	NF	EN 15651-2:2012
	Recupero elastico	> 70% al 100% di allungamento	
	Proprietà a trazione (cioè allungamento): dopo immersione in acqua a 23 °C	> 25%	EN 15651-3:2012
Crescita microbiologica		0	

Domus colori su base trasparente



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DoP n° 0206/22
EN 15651-1:2012
EN 15651-2:2012
EN 15651-3:2012
NB n° 1292

EN 15651-1:2012: Sigillante per facciate per applicazione all'interno ed esterno adatto anche per l'uso in climi freddi (F-EXT/INT-CC 25 LM)
EN 15651-2:2012: Sigillante per giunti per applicazione in vetrate adatto anche per l'uso in climi freddi (G-CC 25 LM)
EN 15651-3:2012: Sigillante per giunti non strutturali utilizzati in ambienti sanitari (S1)

Reazione al fuoco		E	EN 15651-1:2012 EN 15651-2:2012 EN 15651-3:2012
Rilascio di sostanze pericolose per la salute e l'ambiente		NPD	
Durabilità		Prova superata	
Impermeabilità all'acqua ed all'aria	Resistenza al flusso / allo scorrimento	≤ 3 mm	EN 15651-1:2012 EN 15651-2:2012 EN 15651-3:2012
	Perdita di volume	≤ 10%	
	Proprietà a trazione (cioè allungamento): in condizioni di estensione mantenuta dopo immersione in acqua a 23 °C	NF	EN 15651-1:2012 EN 15651-3:2012
	Proprietà a trazione (cioè in condizioni di estensione mantenuta a -30 °C)	NF	EN 15651-1:2012 EN 15651-2:2012
	Proprietà a trazione (cioè modulo secante a -30 °C)	≤ 0,9 MPa	
	Proprietà di adesione/ coesione dopo esposizione a calore, acqua e luce artificiale	NF	EN 15651-2:2012
	Recupero elastico	> 70% al 100% di allungamento	
	Proprietà a trazione (cioè allungamento): dopo immersione in acqua a 23 °C)	> 25%	EN 15651-3:2012
Crescita microbiologica		0	

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 29.02.2024.