

Sealants

N 2.0

Single-component silicone sealant with neutral cross-linking and low elastic modulus for the elastic sealing of joints and expansion joints between façade elements and in glazing, with a maximum working elongation of 25%. The hardening takes place by reaction with atmospheric humidity. In the transparent variant, the formulation is mould resistant. In the transparent variant the formulation is mould resistant.



APPLICATION AREAS

Creation of joints between construction elements, vertical and horizontal, indoors and outdoors. Once hardened, it guarantees high resistance to UV rays, weather, water stagnation, extreme temperatures and ageing in general. In the transparent variant it guarantees prolonged resistance to microbial growth. Excellent adhesion on smooth and porous substrates: glass, rigid plastics, PVC, polyacrylates, aluminium, steel, enamelled surfaces, plasterboard, fibre cement, plaster, masonry, wood, concrete. It does not corrode metals, it does not crumble, does not reduce its initial volume and maintains its elasticity even at low temperatures without stressing the sides of the joint. It is suitable for the installation of windows and doors according to UNI 11673-1.

TYPE OF MATERIAL TO BE LAID

The sides of the joint must be dry, solid, clean, degreased and consistent. The sealing must be at least 6 x 6 mm in size. Over 1 cm in width, the ratio between width and depth must be 2:1. Insert the Backfill sealant to ensure correct proportion of the sealing and prevent the joint from adhering to the bottom. In case of substrates of doubtful nature, check the adhesion of N 2.0 with preliminary tests or apply Silicone Primer. Protect the edges of the joint with self-adhesive paper tape. Cut the nozzle according to a diameter proportional to the size of the joint. Inject an excess amount of N 2.0. Smooth out with a spatula dampened with "Smooth" smoothing agent before the surface film formation begins. Apply a certain pressure in order to obtain a void-free filling and complete adhesion of the sealant on the sides of the joint. Remove the protective tape immediately and smooth again with a hand moistened with "Smooth".

WARNINGS

- It cannot be painted.
- Does not adhere to damp surfaces.
- Do not apply at temperatures below 0 °C.
- Clean tools with paper and alcohol while N 2.0 is still fresh, mechanically after hardening.

TECHNICAL SPECIFICATIONS

PARAMETER AND TEST METHOD	VALUE	
	Transparent	White. grey
Density (UNI 8490 – Part 2)	1,013 g/ml	1,520 g/ml
Extrusion speed (MIT 30)	29,63 g	26,22 g
Application temperature	from +5 °C to +40 °C	from +5 °C to +40 °C
Surface cross-linking time (MIT 33)	40 minutes	23 minutes
Hardening speed (23 °C – 50% R.H.)	2,5 mm/24 ore 7 mm/7 days	1,5 mm/24 ore 6 mm/7 days
Operating temperature	from -40 °C to +150 °C	from -40 °C to +150 °C
Shore A surface hardness	21	25 ± 5
Volume variation (MIT 57)	8 %	2,5 %
Tensile strength (ISO 37 Type 3)	850%	650%
Tensile strength (ISO 37 Type 3)	1,3 N/mm ²	1,2 N/mm ²
100% modulus of elasticity (ISO 37 Type 3)	0,25 N/mm ²	0,3 N/mm ²
Tensile strength (UNI EN ISO 8339 – Glass substrate)	250%	400%
Tensile strength at break (UNI EN ISO 8339 – Glass substrate)	0,7 N/mm ²	0,6 N/mm ²
100% modulus of elasticity (UNI EN ISO 8339 -Glass substrat)	0,35 N/mm ²	0,43 N/mm ²
Maximum operating elongation (ISO 11600)	25%	25%
Elastic recovery	95%	>90%
Resistance to acids	excellent	excellent
Resistance to bases	excellent	excellent
Odour after cross-linking (ISO 11600)	none	none
Color	000 Transparent, 100 White, 228 Grey	
Packaging	cartridge	

Packaging size	24x310 ml
Pallet	60 cardboards

CONSUMPTION

Indicative yield in linear meters of a sealant cartridge = $V / (W \times D)$

V = Cartridge content in ml

W = Sealing width in mm

D = Sealing depth in mm

STORAGE

Store in a dry, heat-protected place. In the original packaging it is kept for at least 12 months.

CERTIFICATIONS

Reference Standard	Transparent	White, Grey
EN 15651-1: 2012	F-EXT/INT-CC: Sealant for non-structural joints for façade applications. Indoor and outdoor use. Tested for cold climates.	F-EXT/INT-CC: Sealant for non-structural joints for façade applications. Indoor and outdoor use. Tested for cold climates.
EN 15651-2: 2012	G-CC: Sealant for non-structural joints for glazing applications. Tested for cold climates.	G-CC: Sealant for non-structural joints for glazing applications. Tested for cold climates.
EN 15651-3: 2012	S: Sealant for non-structural joints for health facilities applications.	

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