Torggler

EKOR

TECHNICAL DATA SHEET

N 2.0

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

APPLICATION AREAS
Creation of joints between construction elements, either 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, does not crumble, does not reduce its initial volume and keeps its elasticity even at low temperatures without stressing the sides of the joint. Suitable for installation of windows and doors according to UNI 11673-1.

APPLICATION
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 to adhere 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.
- It 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.

IN COMPLIANCE WITH F-EXT/INT CC EN 15651-1 | IN COMPLIANCE WITH G-CC EN 15651-2 | IN COMPLIANCE WITH S EN 15651-3

CONSUMPTION
Indicative yield in linear meters of a sealant cartridge = V / (L x D)
V = Cartridge content in ml
L = Sealing width in mm
D = Sealing depth in mm

PACKAGES
310 ml cartridges. 24 cartridges per box.
60 boxes per pallet.

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.	-

TECHNICAL SPECIFICATIONS

PARAMETER	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/mm²	1.2 N/mm²
100% modulus of elasticity	ISO 37 Type 3	0.25 N/mm²	0.3 N/mm²
Tensile strength	UNI EN ISO 8339 - Glass substrate	250%	400%
Tensile strength at break	UNI EN ISO 8339 - Glass substrate	0.7 N/mm²	0.6 N/mm²
100% modulus of elasticity	UNI EN ISO 8339 - Glass substrate	0.35 N/mm²	0.43 N/mm²
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	-	none	none

The information contained in this brochure is, to the best of our knowledge, exact and accurate, but every recommendation and suggestion given is without any guarantee, 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. This data sheet replaces the previous versions. Version 01.2020