



PERMANENTLY ELASTIC SEALANT WHICH LEAVES NO STAINS, NOT EVEN ON HIGHLY POROUS MATERIALS SUCH AS MARBLE AND NATURAL STONE.

PROPERTIES

- Does not leave stains on marble and natural stone.
- Does not slump in vertical joints.
- Excellent adhesion to most construction material without primer application.
- Adhesion to porous surfaces and certain types of plastic may be improved with the use of a primer.
- Excellent mechanical properties.
- Resistant to atmospheric effects, UV-light and ageing.
- Resistant to various chemicals.
- Does not cause corrosion.
- It prevents mould to form due to special admixture.
- Colour: transparent.

TESTS AND CERTIFICATES

EN 15651-1,2,3,4	CE
ISO 846	fungicide test
EN 1186, EN 13130 in CEN/TS 14234	test for usage in food industry

USE

- For sealing marble, natural stone, granite, terazzo and porphyry as well as for mounting these materials onto metal or metal constructions; suitable for use both indoors and outdoors.
- Suitable also for sealing applications in sanitary facilities.
- It has excellent adhesion to other construction materials such as: concrete, brick, wood, steel, aluminium, different types of plastic, foam concrete, ceramics, plasterboards, glass, klinker, metal, porcelain, Styrofoam, enamel etc.

TECHNICAL DATA

Fresh sealant

Basis		neutral oxime silicone
Appearance		paste
Curing mechanism		by air humidity
Specific gravity		1015 ± 10 kg/m ³ [transparent]
Skin formation time	23 °C/50 % rel. humid.	7 min.
Hardening time	23 °C/50 % rel. humid.	2 mm/day

Resistance to flow	SIST EN 27390	0 mm
Application temperature		between +5 °C and +40 °C

Cured sealant

Hardness Shore A	ISO 868	15-30
Tensile strength	EN 28339	0.40-0.70 MPa
Module E 100%	ISO 28339	< 0.4 MPa
Elongation at break	EN 28339	200-300 %
Tensile strength	ISO 37 rod 1	> 1.20 MPa
Elongation at break	ISO 37 rod 1	> 400 %
Change in volume	ISO 10563	< 10 %
Elastic recovery	SIST EN 27389	>90 %
Temperature resistance		between -40 °C and +180 °C

APPLICATION

Prior to use it is recommended to perform an adhesion test to verify adhesion of the sealant to the substrate.

Surface preparation

The surface of the joint must be dry, hard, clean, dust and fat free. Remove all separated and badly attached pieces.

Joint and cartridge preparation

- For good adhesion onto porous materials use TTK SEAL silicone & hybrid primer.
- If you want joints to look nice tape the edges with a masking tape.
- Cut the cartridge at the top and screw on the nozzle, which has to be cut according to the width of the joint and placed in the gun. During work interruption release the handle on the gun and pull the piston back.
- The sealant should be applied as evenly as possible.
- At the end, use a TTK SEAL smoothing tool - a smoothing instrument, or a TTK SEAL Smoothing agent soaped finger to level the sealant before the skin starts to form. It is very important to press the sealant well against the surface to be sealed.
- Remove the masking tape before the sealant starts to harden.
- Fresh sealant and tools can be cleaned with the TTK CLEAN PROTECT tool cleaner, hardened sealant should be removed mechanically first and then with a cleaner for hardened silicone - TTK CLEAN PROTECT silicone remover.

Correct dimensioning of expansion joints:

For optimal elasticity of a sealant the correct ratio width : depth is of extreme importance. The ratio is 2 : 1, 1 : 1 maximum. Sealant should not adhere to the bottom of the joint gap but only to its sides. This can be achieved with the use of TTK SEAL Back filling tape. The minimum and maximum joint width is 6 mm and 20 mm, respectively.

PACKAGING

- 300 ml cartridge.
- 200 l drum.
- Other packagings are available by agreement.

STORAGE

12 months in a dry and cold place under 25°C in originally closed packaging.

HEALTH, SAFETY HANDLING AND DISPOSAL INFORMATION

Additional information on safety, safe handling instructions and personal protective equipment as well as disposal information are available in a safety data sheet. Safety data sheet is available upon request. You can also ask your TTK distributor for a copy.

WARNING

Instructions contained in this document are based on our research and experience, however, due to specific conditions and working methods we recommend that you perform preliminary tests prior to any application of our products.



TKK d. o. o. · Srpenica 1, 5224 Srpenica, Slovenija
+386 (0) 5 38 41 300 | info@tkk-group.com | www.tkk-group.com