

TEKASIL 300°C NEUTRAL

PROPERTIES

- Does not slump in vertical joints.
- Sealing and gluing of joints between different materials (glass, wood, concrete, brick, stone, ceramics, steel, copper, zinc, brass, aluminium and most tapes of plastic) which are exposed to greater temperatures, i.e. up to 250°C, occasionally also up to 300°C, and where no corrosion should occur.
- Sealing around furnaces and chimneys.
- Excellent adhesion to most construction material without primer application.
- For good adhesion onto porous materials use Primer KVZ 16.
- Good mechanical properties.
- Resistant to atmospheric effects, UV-light and ageing.
- Resistant to various chemicals.
- Does not cause corrosion.
- Colour: red, beige and black.

USE

For gluing and sealing of different materials (including glass) exposed to greater temperatures.

Temperature resistance: between -40°C and +250°C, occasionally up to +300°C.
Application temperature: between +5°C and +40°C.

Contains: 2-butanone, O', O'', O'''-(ethyl silylidne) trioxime. May provoke allergic reaction.

TECHNICAL DATA

Fresh sealant

Basis		neutral oxime silicone
Appearance		paste
Curing mechanism		by air humidity
Specific gravity		1080±10 for red colour, 1020±10 for other colours kg/m ³
Skin formation time	23°C/50% rel. humid.	7 min.
Hardening time	23°C/50% rel. humid.	2 mm/day
Resistance to flow	ISO 7390	0 mm
Application temperature		between +5°C and +40°C



Tekasil 300°C Neutral

This is neutral sealant with permanent elasticity and excellent adhesion to most construction materials. It is recommended for sealing joints which will be exposed to greater temperatures.



Temperature resistance 300°C



For interior and exterior use



UV resistance

Cured sealant

Hardness Shore A	ISO 868	20–30
Tensile strength	ISO 8339	0,6–0,8 MPa
Module E 100%	ISO 8339	<0,4 MPa
Elongation at break	ISO 8339	150–250%
Tensile strength	ISO 37	>1,50 MPa
Elongation at break	ISO 37	250–350%
Change in volume	ISO 10563	<10%
Elastic recovery	ISO 7389	>90%
Temperature resistance		up to +250°C, occasionally up to 300°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 Primer KVZ 16, or if a joint is exposed to water Primer KVZ 12 (see technical data sheet Primers).
- 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 smoothing tool - a TKK smoothing instrument, or a 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 Tekafin cleaner, hardened sealant should be removed mechanically first and then with a cleaner for hardened silicone - Tekapursil S or Apursil.

Joint depth (mm)	Joint width (mm)			
	6	8	10	12
6	8,3	6,2	5	4,2
8		4,7	3,7	3,1
10			3,0	2,5
12				2,1

The table shows how many linear metres of joints we can seal with one 300ml cartridge relative to the width and depth of the joint.

PACKAGING

- 300ml cartridge
- 200l 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 TKK 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, Tel: +386 38 41 300, info@tkk.si, www.tkk.si