



PERMANENTLY ELASTIC SEALANT WITH EXCELLENT ADHESION TO MOST SILICATE MATERIALS, GLASS AND ALUMINIUM. SUITABLE FOR SEALING PARTS THAT ARE EXPOSED TO HIGH TEMPERATURES.

PROPERTIES

- Maintains elastic characteristics at constant stress up to 250 °C, occasionally also up to 300 °C.
- Does not slump in vertical joints.
- Excellent adhesion to glass, ceramics, glazed surfaces, aluminium and profiled glass.
- Good mechanical properties.
- Resistant to atmospheric effects, UV-light and ageing.
- Resistant to various chemicals.
- Not suitable for sealing tinned sheet.
- Releases acetic acid during hardening.
- Colour: red and black.
- Suitable for industrial applications.
- Not suitable for sealing elements which are permanently exposed to fuel.

USE

- Suitable for sealing parts exposed to greater temperatures e.g. in engines, and for sealing thermal elements in different devices as well as for exhaust pipes.

TECHNICAL DATA

Fresh sealant

Basis		acetic acidic silicones
Appearance		paste
Curing mechanism		by air humidity
Specific gravity		1070 ± 10 (red), 1020 ± 10 (black) kg/m ³
Skin formation time	23 °C/50 % rel. humid.	20 min.
Hardening time	23 °C/50 % rel. humid.	1-2 mm/day
Resistance to flow	ISO 7390	0 mm
Application temperature		between +5 °C and +40 °C

Cured sealant

Hardness Shore A	ISO 868	20-30
Tensile strength	ISO 8339	0.5-0.6 MPa
Module E 100 %	ISO 8339	< 0.7 MPa
Elongation at break	ISO 8339	100-200 %
Tensile strength	ISO 37	> 1.60 MPa
Elongation at break	ISO 37	250-350 %

Change in volume	ISO 10563	< 10 %
Elastic recovery	ISO 7389	> 90 %
Temperature resistance		between -40 °C and +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:

- 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 or TTK CLEAN PROTECT universal cleaner.

PACKAGING

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

STORAGE

15 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.



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