

## ROOF AND GUTTER SEALANT



**PERMANENTLY ELASTIC SEALANT FOR BONDING AND SEALING GUTTERS AND VENTS, AIR VENTS, LIGHTNING OBJECTS AND CHIMNEY FLASHING; IT IS ALSO SUITABLE FOR SEALING JOINTS AROUND PENETRATIONS (PIPES AND AERIALS) AS WELL AS FOR SEALING JOINTS AROUND SKYLIGHTS.**

### PROPERTIES

- Does not slump in vertical joints.
- Excellent adhesion to most construction material without primer application.
- For good adhesion onto porous materials use TTK SEAL silicone & hybrid primer.
- Good mechanical properties.
- It is resistant to various weather conditions such as rain, snow and extreme temperatures.
- Elastic both at low [-40 °C] and high [180 °C] temperatures.
- Chemical resistance.
- UV resistance.
- Does not cause corrosion.
- Does not crack.
- Colour: transparent and grey RAL 8019.

### USE

- Ideal for sealing gutters, vents, lightning objects, overlapping materials, and roof air vents.
- It is also suitable for sealing surfaces between pipes and plaster; shelves and ceramics; metal parts on the roof and the wall and for sealing various materials chimneys are made of.
- Suitable for gluing and sealing different materials: tinned sheet, painted and non-painter sheet metal, aluminium, tin, copper, brass, steel, lead, iron and stone.

### TECHNICAL DATA

#### Fresh sealant

Curing mechanism		by air humidity
Appearance		paste
Specific gravity		1300 ± 10 kg/m <sup>3</sup>
Skin formation time	23 °C/50 % rel. humid.	≈ 7 minutes
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

#### Cured sealant

Hardness Shore A	ISO 868	27 ± 3
Tensile strength	ISO 8339	0.4-0.6 MPa
Module E100 %	ISO 8339	> 0.40 Mpa
Elongation at break	ISO 8339	250-350 %

Tensile strength	ISO 37 rod 1	>1.2 MPa
elongation at break	ISO 37 rod 1	300-400 %
Change in volume	ISO 10563	< 10 %
Elastic recovery	ISO 27389	> 90 %
Temperature resistance		between -40 °C and +180 °C

## APPLICATION

### 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 TKK 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 TKK SEAL smoothing tool - a smoothing instrument, or a TKK 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 TKK CLEAN PROTECT tool cleaner, hardened sealant should be removed mechanically first and then with a cleaner for hardened silicone - TKK CLEAN PROTECT silicone remover or TKK CLEAN PROTECT universal cleaner.

## PACKAGING

- 300 ml cartridge.
- 600 ml sausage.

## STORAGE

15 months respectively in a dry space at temperature range between +5 °C and +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.

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