



TEKASIL

300 °C Acetat



TEKASIL 300°C is a permanently elastic, silicone one-component sealant on acetic basis used for sealing joints which will be under greater temperatures.

PROPERTIES

- Maintains elastic characteristics at constant stress up to 250°C, sometimes even 300°C
- Does not slump in vertical joints
- Excellent adhesion to glass, ceramics, glazed surfaces, aluminum, copelite glass
- Good characteristics
- Resistant to various weather conditions; rain, snow, extreme temperatures
- Resistant to chemicals
- UV resistant
- Low shrinkage at hardening
- Releases acetic acid during hardening
- Colour: red, black, beige

USE

- Sealing of connecting joint exposed to high temperatures of 250°C, short term up to 300°C
- Suitable for industrial application
- It can not be use for parts permanently exposed to fuel

TECHNICAL DATA

Uncured sealant

Basis		acetic acidic silicones
Form		paste
Curing mechanism		moisture curing
Specific gravity		1060 ± 40 kg/m ³ (transp.)
Skin formation time	23°C/50% rel. humid	10 - 20 min
Hardening time	23°C/50% rel. humid	1 - 2 mm/day
Resistance to flow	ISO 7390	0 mm
Application temperature		+5°C to +40°C

Hardened sealant

Hardness Shore A	ISO 868	20 - 30
Tensile Strenght	ISO 8339	0,35 - 0,60 MPa
Module E 100%	ISO 8339	0,25 - 0,40 MPa
Elongation at break	ISO 8339	150 - 300%
Tensile strength	ISO 37 rod 1	> 1,70 MPa
Elongation at break	ISO 37 rod 1	300 - 400%
Volume Change	ISO 10563	< 10%
Elastic recovery	ISO 7389	98%
Temperature resistance		-40°C to +250°C

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APPLICATION

Surface preparation:

The surface of the joint must be hard, clean, dust and fat free. Remove all separated and badly attached pieces. Special attention must be given to all impurities acting as separators. The hardening time depends on relative humidity, air availability and the thickness of the application. If there is no air, the material does not harden completely and softens with greater temperatures.

Joint and cartridge preparation:

- If you want joints to look nice tape the edges with 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, level the sealant with an appropriate instrument or a well soaped finger.
- 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.

PACKING

- 300 ml cartridges (A carton of 20 pieces)
 - 60 ml tube in blister
 - 200 l barrels
- Other ways of packing are available on demand.

STORAGE

12 months in a dry, cool place under 25°C, in the originally sealed package.

SAFETY PRECAUTIONS

Keep out of the reach of children. Wear suitable gloves. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Use only in well-ventilated areas.

ATTENTION

The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitute a specification. You should thoroughly test any application to be sure that product corresponds to the required performances.