



Suprasil 590 E

Ready-to-use, permanently elastic, acetic-acid curing, single-component, silicone-based sealant for indoors and outdoors.

Acetate system

Field of application

- Sealing triangular sealing joints with 5 % movement and flexible/terminal joints in sanitary areas, kitchens and on ceramic floor materials.

Not suitable for aquarium construction or for use on marble/natural stone, bitumen substrates, untreated (non-primed) metallic substrates or untreated (non-primed) absorbent substrates, e.g. concrete, bare wood.

Not EPDM suitable.

Not suitable for use on treated glass, special metal-reinforced glass or laminated safety glass. For these materials, use KLEIBERIT Suprasil 594 N – transparent.

Advantages

- Good adhesion to glass, ceramics, enamel. Concrete, wood, aluminium, hard PVC and stainless steel must be pre-primed.*
- Permanently elastic
- Good resistance to water and weather
- Resistant to extremes of heat and cold
- Excellent ageing resistance
- Good UV resistance

***For painted wood, we recommend the use of KLEIBERIT Suprasil 594 N.**

Properties of Suprasil 590 E

Base: Acetic-acid curing silicone rubber

Specific weight: Approx. 0.96 g/cm³

Consistency: Pasty, stable

Skinning time (at 20° C/50 % rel. air humidity):
approx. 10 min

Curing rate (at 20° C/50 % relative air humidity):
Approx. 2 mm during the first 24 hours

Shore A Hardness (DIN 53 505):

Approx. 25 units

E-Module (DIN 52 455) at 100 % elongation:

Approx. 0.30 N/mm²

Temperature resistance:

-40 °C to +180 °C

Processing temperature:

+5 °C to +40 °C

Colours: 590.0 - transparent

590.1 - white

590.2 - grey,

590.3 - brown,

590.4 - black

590.6 - light grey

590.7 - light brown

Identification: Not required acc. to the German hazardous substances regulations - GefStoffV, (see our safety data sheet).

Application techniques

The substrates to be bonded must be solid, dry, clean and free of any dust or grease. Concrete, bare wood, aluminium, hard PVC and stainless steel must be primed with **KLEIBERIT Primer 834.1**.

Cut off the nipple of the cartridge, screw on the nozzle and cut the tip of the nozzle diagonally to the desired size, then insert the cartridge into the applicator. The sealant is applied by means of a rack gun or compressed air gun.

KLEIBERIT Suprasil 590 E is smoothed into the joint with a spatula or pointed trowel and any surplus material removed immediately.

When caulking expansion joints, ensure that **KLEIBERIT Suprasil 590 E** does not adhere to the background of the joint. To avoid this happening and also to determine the shape, the joint should be lined with a suitable backing material.

**KLEIBERIT®**

KLEBSTOFFE • ADHESIVES

Suprasil 590 E

Avoid three-sided bonding!

Packaging

KLEIBERIT Suprasil 590 E:

Carton with 25 plastic cartridges - 310 ml each

KLEIBERIT Primer 834.1:

Carton with 24 aluminium bottles - 250 ml each

Storage

KLEIBERIT Suprasil 590 E can be stored in the original factory-sealed containers for a maximum of 18 months. Avoid storage temperatures above +25° C.

EX 0606; replaces all previous data sheets.

Waste Disposal

Disposal of contents and/or containers should comply with all applicable federal, state and local regulations.

Our containers are made of recyclable material.

Service

Our application department may be consulted at any time without obligation. The statements made herein are based on our experience gained to date. They are to be considered as information without obligation. Please test and establish for yourself the suitability of our products for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical consultancy service which is rendered free of charge and without obligation.