

Supracryl 580

KLEIBERIT Supracryl is a permanent plastic, rapid curing acrylate sealant for indoor and outdoor use with maximum movement accommodation of 15%

Fields of application

- Sealing connections and joints with moderate expansion stress and without exposure to moisture, e.g. between concrete, brickwork, plaster surface, sandstone, fiber cement, plasterboard, raw and anodized aluminum, wood or hard PVC. Also suitable for bonding expanded polystyrene ("Styrofoam") to porous substrates. Example: sealing of window and door connections, blind boxes, ceiling connections, plastic pipes and for sealing cracks.
- Supracryl 580 **may not** be used in sanitary areas, on marble/natural stone, in underground construction, on bitumen, materials giving off tar or plasticizers, on un-treated (not primed) metal substrates, as well as for joints in constant contact with moisture (e.g. concrete surfaces touching the ground).

Advantages

- Can be painted (moving joints should not be painted over)
- Solvent, isocyanate and silicone free
- Good resistance to ageing
- Building material class B2 / DIN EN 4102, part 4
- Good resistance to ultra-violet and light
- When fully hardened is resistant to short term exposure to water, water-based cleaning agents, diluted acid and alkaline, petrol, spirits, fat and oil.
- Odor neutral

Properties of Supracryl

Base: elastic acrylic polymer
Specific gravity: approx. 1.56 ± 0.04 g/cm³

Consistency: thixotropic paste
Color: 580.1 = white

Processing temperature: +5° C to +35° C

Yield:
 Joint meter per 310 ml cartridge at following joint dimensions:
 5 x 5 mm approx. 12 m
 10 x 10 mm approx. 3 m

Skimming : approx. 10 minutes
 (23°C, 50% RH)

Shore Hardness A : 15 ± 5

Elongation property: elasto-plastic

Permissible movement (DIN EN ISO 10563) : approx. 15%

Temperature resistance: -25°C to +80°C

Identification: not required according to EU regulations
 (See our safety data sheet)

Processing

Substrate pretreatment:

The material must be dry, firm, clean and free from dust and grease. Absorbent, porous materials (e.g. concrete, plasterboard, wood raw) must be pre-treated with a diluted sealing compound (sealing compound with ratio 1:1 to 1:5 (= primer application)).

For renovation work, the old sealing compound as well as paint residue and layers which are not firm must be completely removed. The joint must have suitable, properly sized back filler (e.g. PE round cord, PE foil) to avoid three-sided adhesion.

To avoid contamination and to achieve an exact joint, we recommend covering the edges of the joint with tape before primer application and sealing.

Joint dimensions:

Joints to be sealed should at least have the following dimensions: 5 x 5 mm (interior applications) and 10 x 8 mm (exterior applications; wide x depth)

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Processing:

Cut nozzle according to the joint dimension. Apply sealant without bubbles with suitable hand, battery or air pressure pistol and immediately smooth with water or a neutral, non coloring, smoothing agent and a suitable smoothing tool.

Important:

Protect the sealant from erosion, e.g. from condensation or rainwater, until a firm skin has formed.

Fresh sealant can be removed with a moist towel. Clean tools immediately with water after use. Cured sealant can only be removed mechanically. Residual sealant can be softened with water and wiped away after some time.

For exterior applications, the joint must be protected from driving rain and constant exposure to moisture.

Curing takes place with the moisture from the surroundings. High humidity, low temperatures as well as joints with a depth of more than 15 mm can considerably slow down curing.

The joint can be painted over according to DIN 52452 with most paint systems. Due to the number of coating systems on the market, we recommended conducting your own preliminary testing to determine adhesion and compatibility.

Joints subject to expansion may not be painted as most paint systems have lower elasticity which can cause tears in the coating.

Cleaning

Application tools and equipment can be cleaned with water while the sealant is still fresh.

Packaging

KLEIBERIT Supracryl 580:

Carton with 24 plastic cartridges containing 310 ml each

Carton with 20 bags containing 400ml each

KLEIBERIT Primer 835.1:

Carton with 4 plastic bottles containing 475 ml each

Additional packaging sizes available upon request.

Storage

KLEIBERIT Supracryl can be stored in the original factory sealed cartridge at +5° to +40°C for approx. two years. Keep upright and protect from frost!

Version KH 1112; replaces previous versions

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.