

KLEIBERIT 540.5

1C-PUR-Foam

Fields of application

- Assembly of windows and roller blind boxes
- Caulking roofing tiles and walls
- Insulation of pipe conduits
- Filling wall openings and cavities

Advantages

- Very low emissions (EC1 plus) according to GEV EMICODE classification (GEV licensing number: 9698/31.12.10/ from February 9, 2023)
- Universally applicable
- Easy processing
- Good adhesion to almost all building materials (such as concrete, aerated concrete, brick, metal, aluminum, wood), with the exception of polyethylene, Teflon*, silicone, grease, mold release agents, etc.
- Processable



Properties of the foam

Base:	polyurethane
Setting:	humidity setting
Colour:	beige
Filling quantity:	500 ml
Yield:	25-30 litres (with sufficient moisture, free foam)
Processing temperature:	from +5°C (surface) or in the range of 20-25°C (can)
Tack-free surface:	Approx. 5-10 minutes*
Cutability:	approx. 20-25 minutes with a strand thickness of 3 cm
Curing time:	Approx. 1.5-2 hours (depending on temperature and humidity)
Cell structure:	Semi-hard, mainly closed cells
Thermal conductivity:	0.039 W/m·K (DIN 52612)
Building material class:	B 2 (DIN 4102, Part 1)

Temperature resistance of the cured foam:

-40°C to +90°C

Resistance:	Good resistance to ageing and chemicals, not UV resistant
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*at 18 °C, 60% relative humidity

Warning:

Before processing read warning instructions on the bottle and comply with them.

KLEIBERIT 540.5 contains flammable ingredients. Use only in well ventilated rooms, keep away from sources of sparks (e. g. open fire, electrical devices, electrostatic charges) and do not smoke during processing.

Particularly when several cans are processed in one place, the formation of explosive and possibly health-endangering concentrations is possible.

Container is under pressure, protect it from heating above 50°C (e.g. from sunlight).

Labelling: See our safety data sheet

Application techniques

The substrates must be solid, clean and free from dust, grease and release agent.

Prime gypsum and aerated concrete with KLEIBERIT Primer 835.1.

The ideal process temperature is approx. 20-25 °C. Always moisten substrate well before foaming.

Temperatures below +5°C lead to delayed curing and a reduction in expansion.

Shake the can vigorously with the valve facing down before processing.

Hold the can with the valve vertically downwards and activate the foam by pressing your finger on the valve. When the pressure movement decreases, the valve closes again.

A strand of foam emerges which expands to two to three times its volume.

For larger cavities, apply KLEIBERIT 540.5 in several layers. The overlays must be carried out at intervals of at least 30 minutes. Overfilling cavities with foam leads to delayed curing and, if there is insufficient moisture, to pressing.

After 24 hours, KLEIBERIT 540.5 can be painted over, sanded or plastered over.

Cleaning

Fresh foam can be removed with KLEIBERIT 820.0, cured foam can only be removed mechanically.

KLEIBERIT 540.5

Packaging

KLEIBERIT 540.5:

carton with 12 cans of 596 g each
(adapters enclosed)

KLEIBERIT 820.0:

carton with 12 bottles of 756 g each

KLEIBERIT 555.3:

carton with 9 bottles of 1 kg each

Storage

KLEIBERIT 540.5 can be stored at 20° C for
approx. 12 months.

Store in a cool place.

Higher temperatures shorten the shelf life.

Longer storage periods in closed vehicles should
be avoided.

Store the can upright.

Version 08/11/2023 xi; replaces previous versions

Adhesive and Container Disposal

Waste code 160505

Our containers are made of recyclable material. Well emptied containers can be recycled.

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.