

Fire Protection Foam 585.5

Fire resistant with B classification according to EN 13501-1 when used between solid, mineral or metallic building materials.

Fields of use

- Good adhesion to almost all building materials, e.g. concrete, brickwork, gypsum, wood, concrete materials, marble, stone, hard PVC, metal, and metallic building materials
- Suitable as insulation and for insulation materials

Does not adhere to polyethylene, silicone, Teflon, grease, mould separating agent, etc.

Advantages

- Free of CFCs and formaldehyde
- Used between solid mineral building materials (gypsum, mortar, concrete, fibre concrete slabs) pursuant to the building material class B according to EN 13501-1.
- Thermal conductivity according to DIN 52612 = 0.036 W/(m·K)
- Can be processed from +5 °C to +25 °C
- Easy to use
- Can be dosed precisely with a PUR applicator gun
- Economical in use
- Does not cure during pauses in work
- Does not run or form drops (no loss of foam)
- Cured foam does not contain volatile substances such as PCB, lindane, formaldehyde, etc.

Properties of the foam

Base:	Polyurethane
Curing:	Moisture curing
Colour:	Pink
Quantity:	750 ml
Yield:	40 - 45 litres (when sufficient moisture available) free foamed

Adhesion free surface:

After 5 – 10 minutes

Cutting: 2 cm strip can be cut after approx. 15 minutes

Thermal conductivity:

Approx. 0.036 W/mK

Apparent density:

Approx. 16 kg/m³ free foamed

Curing period:

Approx. 12 hours for 2 cm strips (when sufficient moisture available)

Cell structure:

Medium fine

Temperature resistance:

Permanent: -40 °C to +90 °C
 Short-term: -40 °C to +100 °C
 (hardened / cured foam)

Resistance:

Good resistance to ageing, not resistant to UV. Rust and moisture resistant.

Warning:

Carefully read and comply with the warning precautions shown on the container. **KLEIBERIT Fire Protection Foam 585.5** contains inflammable substances. Use only in well ventilated areas, far away from sources of sparks (e.g. open fire, electrical devices, electrostatic loading) and do not smoke whilst working. Exercise particular care when using several tins at the same location. The formation of a potentially explosive or health-damaging concentration is possible. The container is pressurised. Protect from temperatures above 50°C (e.g. the sun's rays shining on a closed motor vehicle).

Identification:

Identification is required acc. to EU regulations, contains 4,4'diphenylmethandiisocyanate. Wear protective gloves and glasses when using the foam (see our safety data sheet).

Processing

The surfaces to be processed must be stable, clean, and free of dust, separating agent or grease. Pre-treat gypsum and aerated concrete with **KLEIBERIT Primer 835**. The ideal processing temperature is approx. 20 °C. Dampen the substrate well before applying the foam. Processing at temperatures of less than +10 °C will slow the curing process and reduce foam expansion. Apply with a PUR applicator gun.

Fire Protection Foam 585.5

KLEIBERIT Fire Protection Foam 585.5 can be applied in several layers. The application of each individual layer should be separated by intervals of approx. 30 minutes. Spray a fine mist of water over each layer following application.

Shake the tin well before connecting it to the applicator gun. Screw the tin onto the gun using the thread adapter. Do not mount cross-threaded and do not over-tighten.

Once the tin is connected, immediately press the trigger to fill the body of the gun with foam. Adjust the flow with help of the dosing screw. The foam is released by pressing the trigger.

Apply the foam as required and monitor the expansion of the material. The fresh foam **will expand by approx. 100-150 %**. Make allowances for this expansion and do not overfill hollow areas.

The maximum size of groove to be filled with foam according to B1 classification is 45 mm wide and at least 60 mm deep.

During short pauses in work, always leave the container attached to the gun. Remove any traces of fresh foam from the nozzle with **KLEIBERIT PUR Cleaner 823**. When the applicator gun is used on a daily basis, always store with a foam tin attached. For safety reasons, close the dosing screw to prevent accidental operation of the trigger. During longer interruptions in use, flush out the gun with **KLEIBERIT PUR Cleaner 823**. Always replace an empty tin immediately with a new one.

Important note:

Do not attempt to use force to remove an adaptor which has become stuck to the tin - the tin could explode! Do not clean the applicator gun with water. When not used for a longer period, flush out with PUR cleaner. Do not disassemble the gun and do not use any sharp instrument to scrape traces of cured foam from the body of the gun.

Cleaning

Fresh foam can be removed with **KLEIBERIT PUR Cleaner 823** or **KLEIBERIT Cleaner 820.0 toluene-free**. Traces of cured foam can only be removed mechanically.

Container sizes

KLEIBERIT Fire Protection Foam 585.5:

Carton containing 12 tins - 750 ml each

KLEIBERIT Cleaner 820.0 toluene-free:

Carton containing 12 bottles - 800 ml each

KLEIBERIT PUR Cleaner 823:

Carton containing 12 bottles - 500 ml each

KLEIBERIT Primer 835:

Carton containing 4 bottles - 475 ml each

KLEIBERIT PUR Applicator Gun

Storage

KLEIBERIT Fire Protection Foam 585.5 can be stored for approx. 12 months at +10 °C to +20 °C. Store cool and dry. Temperatures above 20 °C will shorten the storage life. Prolonged storage in closed vehicles should be avoided. Always store the tin upright, otherwise the valve could become stuck together.

Version XI 1015; replaces all previous editions

Adhesive and Waste Disposal

Waste Code 160504

Our containers are made of recyclable material. Well drained 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.