

SOPRA-FOAM FIREBLOCK

INSULATING FOAM
POLYURETHANE (PU)



| | |
|---------------------------|--|
| | STRAW |
| Format (net) | 455 g (16 oz) |
| Colour | Light red |
| Paintable | Yes |
| Curing time | 24 hours |
| Application temperatures | 5 °C to 30 °C (41 °F to 86 °F) |
| Service temperatures | -40 °C to 80 °C (-40 °F to 176 °F) |
| Adhesion to damp surfaces | Yes |
| Performances | CAN/ULC S102 flame spread index: 10 Smoke-developed index: 15 |
| Shelf life (months) | 12 |
| Product code | 25676 |
| Quantity per box | 12 |
| Quantity per pallet | 960 |

FEATURES AND BENEFITS

- Impedes the spread of fire and smoke
- Seals service penetrations between floors
- Seals electrical runs through stud walls
- Fills gaps up to 2.5 cm (1 in)

RECOMMENDED USES

- All applications where fire-retardant properties are required, such as the following:
 - Filling and sealing gaps, joints and cavities;
 - Sealing around service penetrations, electrical outlets, plumbing fixtures, etc.;
 - Sealing around pipe and duct penetrations through floors and walls.
- Single-component polyurethane foam with flame retardant is recommended for insulation around electrical and plumbing penetrations.
- Where an effective seal against gases and smoke is required.

SURFACE PREPARATION

Before application, surfaces must be clean, homogeneous and free of all contamination (oils and greases, dust and loose or friable particles). Cement laitance must be removed. Dry and porous surfaces must be moistened with water.

APPLICATION

Shake the SOPRA-FOAM FIREBLOCK cartridge, remove the protective cap, and attach the straw to the cartridge. Do not overtighten. Hold cartridges down while applying foam. Shake the cartridge intermittently during prolonged use.

Do not fill the entire space to allow the foam to expand. Expansion may vary according to ambient temperature and humidity levels. In dry conditions, we recommend filling gaps in several thin layers (≤ 25 mm (1 in)). Ensure that each layer can harden and expand sufficiently. Spray water on the foam to accelerate curing if necessary.

It is recommended to paint or coat the cured foam for best results in outdoor applications. The foam can be sanded, painted or stained after 24 hours. SOPRA-FOAM FIREBLOCK can be applied at temperatures ranging from 5 to 30 °C (41 to 86 °F). However, we recommend that the container be conditioned to around 20 °C (68 °F) 12 hours before the application, for optimum performance.

LIMITATIONS

The product is fire-retardant, not fire-resistant. It cannot be used as a fireproof foam.

SOPRA-FOAM FIREBLOCK is not suitable for silicone and PTFE substrates.

Cured foam will discolor if exposed to UV light.

PROPERTIES

| PROPERTIES | | STANDARDS | SOPRA-FOAM FIREBLOCK |
|--------------------------------------|---|--------------|------------------------------|
| Surface burning characteristics (1), | Flame spread rating Smoke developed classification | CAN/ULC-S102 | 10 15 |
| Surface burning characteristics (1), | Flame spread rating Smoke developed classification | UL 723 | 0 0 |
| Tack-free ⁽²⁾ , 1 cm wide | | ASTM C1620 | 6 ± 2 minutes |
| Trim time ⁽²⁾ , 1 cm wide | | ASTM C1620 | 20-45 minutes |
| Curing time ⁽²⁾ | | - | 24 hours |
| Service temperature | | - | -40 to 80 °C (-40 to 176 °F) |

Meets the requirements of EN ISO 11925-2:2020 (class E) and DIN 4102 (class B2).

(1): These numerical flame spread values are not a true reflection on how this or any material will perform in actual fire conditions.

(2): Times were established at a temperature of 23 °C (73 °F) and 50% relative humidity. Reaction times will be slower at lower temperatures and drier air.

(All values are nominal)

CLEANING

For uncured foam, use SOPRA-FOAM CL-F cleaner and wipe with a disposable material. Follow the instructions on the SOPRA-FOAM CL-F cleaner technical data sheet. Cured foam must be removed manually; it is not harmful.

STORAGE AND HANDLING

SOPRA-FOAM FIREBLOCK cartridges can be stored for 12 months from the date of manufacture if left in their original, unopened packaging. Ensure the foam is used before the date indicated on the cartridge and store the cartridges upright in dry conditions, out of direct sunlight and at temperatures between 5 and 25 °C (41 and 77 °F).

For more information and advice on the safe handling, storage and disposal of the chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety related data.