

# SOPRA-FOAM FIREBLOCK



TECHNICAL DATA SHEET **240918SCANE**

(supersedes - )

## DESCRIPTION

SOPRA-FOAM FIREBLOCK is a single-component polyurethane foam with flame retardants, designed for insulation and sealing against gases and smoke around electrical and plumbing penetrations.

SOPRA-FOAM FIREBLOCK can be used for applications where fire-retardant properties are required, such as the following: Filling and sealing gaps, joints and cavities up to 25 mm (1 in); Sealing around service penetrations, electrical outlets, plumbing fixtures, etc.; Sealing around pipe and duct penetrations through floors and walls.

## RECOMMENDED SUBSTRATES

SOPRA-FOAM FIREBLOCK adheres to most building materials, including vinyl, wood, metal, polystyrene and polyisocyanurate. It can also be used on SOPREMA's SOPRASEAL membranes and RESISTO's smooth-surface membranes such as door and window membranes.

## 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 ( $\leq 25$  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.

**FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA OR RESISTO REPRESENTATIVE.**

## GENERAL INFORMATION

Specifications	SOPRA-FOAM FIREBLOCK
Physical state	Liquid
Technology	Single component polyurethane
Colour	Light red
Curing system	Moisture



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.  
This technical data sheet applies to products sold on the Canadian market only.

sopca-en-ca-tds-sopra-foam-fireblock

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## GENERAL INFORMATION *(Continued)*

Specifications	SOPRA-FOAM FIREBLOCK
Cartridge format	500 ml (Straw)
Weight	455 g (16 oz)
Yield <sup>(1)</sup>	20 L/gal

(1): Yields are approximate and may vary according to application technique, surface roughness, temperature and humidity. Applying foam at lower temperatures reduces yield.

## PROPERTIES

Properties	Standards	SOPRA-FOAM FIREBLOCK
Surface burning characteristics <sup>(1)</sup> , <i>Flame spread rating</i> <i>Smoke developed classification</i>	CAN/ULC-S102	10 15
Surface burning characteristics <sup>(1)</sup> , <i>Flame spread rating</i> <i>Smoke developed classification</i>	UL 723	0 0
Tack-free <sup>(2)</sup> <i>1 cm wide</i>	ASTM C1620	6 ± 2 minutes
Trim time <sup>(2)</sup> <i>1 cm wide</i>	ASTM C1620	20-45 minutes
Curing time <sup>(2)</sup>	-	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.



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