SOPRA-FOAM
DOORS AND WINDOWS

DESCRIPTION

SOPRA-FOAM DOORS AND WINDOWS is a single-component, low-expansion polyurethane foam designed for interior and exterior use to caulk spaces around doors and windows, adapted to a variety of climates and temperatures. SOPRA-FOAM DOORS AND WINDOWS can also be used as a wiring, plumbing, and HVAC ducts. It blocks drafts, saves energy, provides permanent adhesion, as well as being airtight and water-resistant.

RECOMMENDED SUBSTRATES

SOPRA-FOAM DOORS AND WINDOWS adheres to most building materials, including vinyl, wood, metal, polystyrene and polyisocianurate. 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

STRAW METHOD

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

APPLICATOR GUN METHOD (PRO)

Shake the SOPRA-FOAM DOORS AND WINDOWS cartridge before use. Remove the protective cap and screw the cartridge onto the applicator gun. Press the gun trigger to dispense the foam. Shake regularly during application. Always keep container upside down during application. Read gun manufacturer's instructions for proper use of application tool.

The cartridge can be left screwed onto the gun for up to 30 days when the screw on the back of the gun is tightened. The container must be under pressure, otherwise the foam will harden in the gun. NEVER leave an applicator gun without a foam cartridge attached unless it has been cleaned with SOPRA-FOAM CL-F cleaner.

Do not fill the entire space to allow the foam to expand. Expansion may vary according to ambient temperature and humidity level. 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 DOORS AND WINDOWS can be applied at temperatures ranging from -6 to 30 °C (21 to 86 °F). However, we recommend that the container be conditioned to around 20 °C (68 °F) 12 hours before application, for optimum performance.

LIMITATIONS

Avoid use in areas requiring fire-retardant or fireproof materials.

SOPRA-FOAM DOORS AND WINDOWS is not suitable for silicone and PTFE substrates.

After exposure to UV rays, cured foam will discolor and loses stability and properties.

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

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GENERAL INFORMATION

Specifications	SOPRA-FOAM DOORS AND WINDOWS				
Physical state	Liquid				
Technology	Single component polyurethane				
Colour	Light yellow				
Curing system	Moisture				
		STRAW		PRO	
Cartridge format	400 ml	600 ml	600 ml	600 ml	750 ml
Weight	340 g (12 oz)	570 g (20 oz)	680 g (24 oz)	680 g (24 oz)	850 g (30 oz)
Yield [1]	14 L/gal	23 L/gal	28 L/gal	43 L/gal	54 L/gal

(1): Yields are approximate and may vary according to application technique, surface roughness, temperature and humidity.

PROPERTIES

Properties	Standards	SOPRA-FOAM DOORS AND WINDOWS	
		STRAW	PRO
Surface burning characteristics [1], *Flame spread rating* *Smoke developed classification*	CAN/ULC-S102	20 45	
Surface burning characteristics [1], *Flame spread rating* *Smoke developed classification*	UL 723	10 20	
Tack-free [2], *1 cm wide*	ASTM C1620	7 ± 3 minutes	6 ± 2 minutes
Trim time [2], *1 cm wide*	ASTM C1620	30-45 minutes	20-45 minutes
Curing time [2]	-	24 hours	
Service temperature	-	-40 to 80 °C (-40 to 176 °F)	

(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

Use SOPRA-FOAM CL-F cleaner to clean the applicator gun as soon as a container of SOPRA-FOAM DOORS AND WINDOWS is removed and the gun is no longer in use, to prevent the foam from hardening inside the gun. Follow the instructions on the SOPRA-FOAM CL-F cleaner data sheet. Hardened foam can be removed manually; it is not harmful.

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STORAGE AND HANDLING

SOPRA-FOAM DOORS AND WINDOWS cartridges can be stored for 18 months from the date of manufacture if left in their original, unopened packaging. Store 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.