

# SOPRA-FOAM

## DOORS AND WINDOWS

INSULATING FOAM  
POLYURETHANE (PU)



Specifications	SOPRA-FOAM DOORS AND WINDOWS				
	STRAW			PRO	
Cartridge format	400 ml	600 ml		600 ml	750 ml
Net weight	340 g (12 oz)	570 g (20 oz)	680 gr (24 oz)	680 g (24 oz)	850 g (30 oz)
Yield <sup>(1)</sup>	14 L (3.7 US gal)	23 L (6.1 US gal)	28 L (7.4 US gal)	43 L (11.4 US gal)	54 L (14.3 US gal)
Product code	25681	25682	25688	25690	25685
Quantity per box	12	12	12	12 Contractor pack	12
Quantity per pallet	960	720	720	720	720
Physical state	Liquid				
Technology	Single component polyurethane				
Colour	Light yellow				
Paintable	Yes				
Application temperatures	-6 to 30 °C (21 to 86 °F) <sup>(2)</sup>				
Service temperature	-40 to 80 °C (-40 to 176 °F)				
Adhesion to damp surfaces	Yes				
Curing system	Moisture				

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

(2): It is recommend that the container be conditioned to around 20 °C (68 °F) 12 hours before application, for optimum performance.

### FEATURES AND BENEFITS

- Won't bow window and door frames.
- Insulates and seals.
- Can be applied in a wide temperature range.

### RECOMMENDED USES

- Indoor and outdoor use.
- Single-component low-expansion polyurethane foam for sealing doors and windows, suitable for various climates and temperatures.
- Ideal for sealing spaces around doors and windows, as well as other applications such as wiring, plumping, and HVAC ducts.
- It blocks drafts, saves energy.
- Provides permanent adhesion to vinyl, wood, metal, polystyrene and polyiso while being airtight and water-resistant.

### RECOMMENDED SUBSTRATES

- 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.

(supersedes 24.0918SCAN(E))

TECHNICAL DATA SHEET 260224SCAN(E)

## 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 ( $\leq 25$  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.

## 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.

## PROPERTIES

Properties	Standards	SOPRA-FOAM DOORS AND WINDOWS	
		STRAW	PRO
Surface burning characteristics <sup>(1)</sup> , Flame spread rating Smoke developed classification	CAN/ULC-S102	20 45	
Surface burning characteristics <sup>(1)</sup> , Flame spread rating Smoke developed classification	UL 723	10 20	
Tack-free <sup>(2)</sup> , 1 cm wide	ASTM C1620	7 ± 3 minutes	6 ± 2 minutes
Trim time <sup>(2)</sup> , 1 cm wide		30-45 minutes	20-45 minutes
Curing time <sup>(2)</sup>	-	24 hours	

(All values are nominal)

(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.

## 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 technical data sheet. Hardened foam can be removed manually; it is not harmful.

## 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. 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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