Formerly known as HIGH-PERFORMANCE REFLECTIVE INSULATION from RESISTO

SOPRA-FOIL
M2M & M2V

TECHNICAL DATA SHEET **261105SCANE**

(supersedes 260817SCANE)

DESCRIPTION

SOPRA-FOIL M2M and M2V are reflective insulation vapour barrier made of two layers of air bubbles, laminated between two polyethylene sheets. SOPRA-FOIL M2M has a metallized finish on both sides, while SOPRA-FOIL M2V has a metallized finish on one side and a white finish on the other.

INSTALLATION

- SOPRA-FOIL M2M and M2V reflective insulations are fastened to the structure using staples, nails, double-sided tape or construction adhesive.
- The use of spacer strips or furring strips is highly recommended. They create an air gap between the reflective surface and the material covering it, enabling reflectivity and maximum insulating value. The recommended air gap is between 1.25 and 5 cm (0.5 and 2 in).
- To minimize air infiltration and moisture transfers, ensure that the product is not perforated and that the insulation system is well sealed. Seal all openings and joints between insulation with tape or a suitable sealant.

RESTRICTIONS

- SOPRA-FOIL reflective insulation must not be installed in conjunction with any other vapour barrier. If a vapour barrier is already installed, it must be removed or ripped to prevent condensation.
- Always install SOPRA-FOIL M2M and M2V on the warmer side of the assembly.
- Do not use M2M under concrete slabs.
- M2V can be used under slabs with the white side up. Lay the product 150 to 200 mm (6 to 8 in) up the walls. Overlap joints by a few inches and seal with compatible adhesive tape.

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

GENERAL INFORMATION

Specifications	SOPRA-FOIL M2M	SOPRA-FOIL M2V
Thickness	8 mm (5/16 in)	
Dimensions [1]	2.44 m (96 in) x 38.1 m (125 ft) 2.44 m (96 in) x 19 m (62.5 ft) 1.22 m (48 in) x 38.1 m (125 ft) 1.22 m (48 in) x 19 m (62.5 ft) 1.22 m (48 in) x 7.62 m (25 ft) 1.22 m (48 in) x 3.81 m (12.5 ft)	2.44 m (96 in) x 38.1 m (125 ft) 2.44 m (96 in) x 19 m (62.5 ft) 1.22 m (48 in) x 38.1 m (125 ft) 1.22 m (48 in) x 19 m (62.5 ft) 1.22 m (48 in) x 3.81 m (12.5 ft)
Surface	Metallized polyethylene	
Underface	Metallized polyethylene	White polyethylene
Service temperature	-45 to 82 °C (-50 to 180 °F)	

(1): Other sizes available.

Note: SOPRA-FOIL M2V is also available for 151 and 227 L (40 and 60 US gal) water heater size kit.

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.

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PROPERTIES

Properties	Standards	SOPRA-FOIL M2M	SOPRA-FOIL M2V
Emittance	ASTM C1371	0.069	
Reflectivity		0.93	
Compressive strength	-	414 kN/m² (60.05 PSI)	
Tensile strength	CAN/CGSB-51.33-M89	3.7 N/mm (21.13 lb/in)	
Pliability		No cracking	
Water vapour permeance	ASTM E96 *(Procedure A)*	4 ng/Pa·s·m² (0.07 perm)	
Linear shrinkage	-	None	
Flame spread	ASTM E84	0	
Smoke development		5	
Resistance to fungi and bacteria	ASTM C1338	Does not promote growth	
Electric conductivity	-	None	
Flame spread	CAN/ULC-S102	0	
Smoke development		30	15
Corrosivity, *7 days at 93 °C (200 °F)*	ASTM C1224	Pass	

(All values are nominal)

Note: For more information on the thermal resistance of reflective insulation, please refer to the corresponding technical bulletin available via this link or directly on our website.

STORAGE AND HANDLING

Rolls must be stored upright in a dry, heated area to limit the risk of condensation.

FOR MORE INFORMATION, REFER TO THE INSTRUCTIONS ON THE LABEL AND RELEVANT SAFETY DATA SHEET (SDS).

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