

# REFLECTO-FOIL M1M

## TECHNICAL DATA SHEET

### DESCRIPTION

REFLECTO-FOIL M1M are reflective insulation vapour barrier made of one layer of air bubbles, laminated between two polyethylene sheets. REFLECTO-FOIL M1M has a metallized finish on both sides, while REFLECTO-FOIL M1V has a metallized finish on one side and a white finish on the other.

### INSTALLATION

- REFLECTO-FOIL M1M 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 cm and 5 cm (0.5 in 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 insulations with tape or a suitable sealant.

Service temperature : -45 to 82 °C (-50 to 180 °F)

### RESTRICTIONS

- REFLECTO-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 REFLECTO-FOIL M1M on the warmer side of the assembly.
- Do not use M1M under concrete slabs.
- M1V 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	REFLECTO-FOIL M1M
Thickness	0.48 mm (3/16 in)
Dimensions <sup>(1)</sup>	1.22 m (48 in) x 38.1 m (125 ft)
Surface	Metallized polyethylene
Underface	Metallized polyethylene

(1): Other sizes available.

## PROPERTIES

Properties	Standards	REFLECTO-FOIL M1M
Emittance	ASTM C1371	0.069
Reflectivity	ASTM C1371	0.93
Compressive strength	-	414 kN/m <sup>2</sup> (60.05 PSI)
Tensile strength	CAN/CGSB-51.33-M89	3.7 N/mm (21.13 lb/in)
Water vapour permeance	ASTM E96 (Procedure A)	Conforms type 1
Linear shrinkage	-	None
Flame spread	ASTM E84	10
Smoke development	ASTM E84	5
Resistance to fungi and bacteria	ASTM C1338	Does not promote growth
Electric conductivity	-	None
Flame spread	CAN/ULC-S102	0
Smoke development	CAN/ULC-S102	35
Corrosivity, 7 days at 93 °C (200 °F)	ASTM C1224	Pass
Pliability	CAN/CGSB-51.33 M89	No cracking

(All values are nominal)

(1) : Tested according to ASTM C1224, ASTM C1363 an ASTM C518.

## STORAGE AND HANDLING

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