Formerly known as HIGH-PERFORMANCE REFLECTIVE INSULATION from RESISTO

# SOPRA-FOIL
## CM2P

TECHNICAL DATA SHEET **261104SCANE**

(supersedes 250331SCANE)

## DESCRIPTION

SOPRA-FOIL CM2P is a reflective insulation vapour barrier made of two layers of air bubbles, laminated between two polyethylene sheets. SOPRA-FOIL CM2P has a metallized finish on one side and a clear finish on the other to protect the insulation against oxidation in applications under radiant concrete slabs.

## INSTALLATION

- SOPRA-FOIL CM2P reflective insulation is fastened to the structure using staples, nails, double-sided tape or construction adhesive when installed in wall or ceiling assemblies. It can also be unrolled directly on the ground when installed beneath a concrete slab.
- When SOPRA-FOIL CM2P is installed in a wall or ceiling assembly, 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 insulations with tape or a suitable sealant.
- For under-slab installation, 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.

## 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 CM2P on the warmer side of the assembly when used in wall or ceiling applications.

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

## GENERAL INFORMATION

| Specifications | SOPRA-FOIL CM2P |
|---|---|
| Thickness | 8 mm (5/16 in) |
| Dimensions | 1.22 m (48 in) x 38.1 m (125 ft) |
| Surface | Metallized polyethylene |
| Underface | Clear polyethylene |
| Service temperature | -45 to 82 °C (-50 to 180 °F) |



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 CM2P |
|---|---|---|
| Thermal resistance | ASTM C518 | 0.21 RSI (R-1.22) |
| Emittance | ASTM C1371 | 0.02 |
| Reflectivity | ASTM C1371 | 0.8 |
| Compressive strength | - | 414 kN/m² (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 |
| Resistance to fungi and bacteria | ASTM C1338 | Does not promote growth |
| Electric conductivity | - | None |
| Corrosivity, *7 days at 93 °C (200 °F)* | ASTM C1224 | Pass |
| Pliability | CAN/CGSB-51.33 M89 | No cracking |

(All values are nominal)

**Notes: For more information on the thermal resistance of reflective insulation products, please refer to the corresponding technical bulletin available through 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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