

CM2P (CONCRETE UNDER PAD) HIGH-PERFORMANCE REFLECTIVE INSULATION

INSULATION | VAPOR BARRIER

CM2P is an 8 mm thick reflective insulation consisting of two layers of air bubbles laminated between a metallized polyethylene and a clear polyethylene sheet. The metallized surface is covered with a clear coating that protects the insulation against oxidation in applications under concrete slabs.

- Installs quickly, easily and provides an excellent R-value
- Reduces condensation, air infiltration, and energy costs

PRODUCT PURPOSE

| | | |
|---------------|------------|----------|
| Application | Insulation | |
| Building Part | Roofs | Walls |
| | Floors | Ceilings |
| | Other | |

PRODUCT CHARACTERISTICS

| | | |
|-----------------------|------------------------------------|---------------|
| Surface | Metallized polyethylene | |
| Underface | Clear polyethylene | |
| Installation Method | Stapled | Adhesive tape |
| Operating temperature | -45 °C to 82 °C (-50 °F to 180 °F) | |

PACKAGING

| Code | Width | | Length | | Gross area | |
|-------|-------|----|--------|--------|------------|-----|
| | m | ft | m | ft | m² | ft² |
| 55145 | 1.22 | 4 | 38.10 | 125.00 | 46.48 | 500 |
| 55144 | 2.44 | 8 | 19.05 | 62.50 | 46.48 | 500 |

PROPERTIES

| Properties | STANDARDS | M1V |
|------------------------|--------------------|-------------------------|
| Nominal thickness | - | 8 mm (5/16 in) |
| Emissivity | - | 0.2 |
| Reflectivity | - | 0.8 |
| Compressive strength | - | 414kN/m² (60.05 lb/in²) |
| Tensile Strength | CAN/CGSB-51.33-M89 | 3.7 N/mm (21.13 lb/in) |
| Water vapour permeance | ASTM E96 | Conforms type 1 |
| Linear Shrinkage | - | None |
| Flame spread | ASTM E84 | Class 2 / class B |
| Smoke development | ASTM E84 | Class 2 / class B |

(Nominal values)

CM2P

PROPERTIES (CONTINUED)

| Properties | STANDARDS | CM2P |
|--------------------------------------|----------------------|-------------------------|
| Resistance to fungi and bacteria | - | Does not promote growth |
| Electric conductivity | - | None |
| Corrosivity, 200 °F (93 °C) - 7 days | - | Pass |
| Pliability | CAN / CGSB-51.33 M89 | No cracking |




(Nominal values)

REFLECTO-FOIL REFLECTIVE INSULATION PRODUCTS ARE TESTED ACCORDING TO ASTM C1224, ASTM C1363 AND ASTM C518 STANDARDS

INSTALLATION

| | |
|---------|---|
| Storage | Store rolls upright, in a dry and heated place to limit the risk of condensation. |
|---------|---|

| | | |
|------------------------|---------------------------|--------------------------|
| Complementary Products | ADHESIVE TAPE ALUMINUM | ADHESIVE TAPE METALLIZED |
| | ADHESIVE TAPE WHITE VINYL | |

| | | |
|----------------|---|--|
| Tools Required |  Knife |  Tape measure |
| |  Stapler | |

| | |
|---------------------|--|
| Surface Preparation | All cracks and surface holes should be repaired before installing an HIGH-PERFORMANCE REFLECTIVE INSULATION product. If there is an existing vapor barrier, it must be removed or torn to avoid condensation problems. |
| Installation | CM2P can be stapled, nailed, screwed, glued and threaded. The installation method of these products may have an impact on their efficiency; it is therefore important to know the best installation methods recommended by REFLECTO-FOIL. Furthermore, since REFLECTO-FOIL reflective insulation is also a 100% vapour barrier, it must be installed on the warm side of the assembly, according to the construction standards in your area. |
| Tricks / Tips | To minimize air infiltration and humidity transfer, ensure that the HIGH-PERFORMANCE REFLECTIVE INSULATION is not punctured and the insulation system is waterproof. All holes and junctions between two insulation materials must be sealed with REFLECTO-FOIL ADHESIVE TAPE or with a suitable sealant. |