RESISTO

M1V
HIGH-PERFORMANCE REFLECTIVE INSULATION

INSULATION | VAPOR BARRIER

A 4 mm reflective insulating vapor barrier consisting of one ply of air bubbles, laminated between one metallized polyethylene sheet and one white polyethylene sheet.

- **Installs quickly, easily and provides and exellent 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	White polyethylene	
Installation Method	Stapled	Adhesive tape
Operating temperature	-45 °C to 82 °C (-50 °F to 180 °F)	

PACKAGING

Code	Width		Lenght		Gross area	
	m	ft	m	ft	m^2	ft^2
55054	1.22	4	19.05	62.50	23.24	250
55006	1.22	4	38.10	125.00	46.48	500
55021	1.22	4	3.81	12.50	4.65	50
55053	2.44	8	38.10	125.00	92.96	1000

PROPERTIES

Properties	STANDARDS	M1V
Nominal tickness	-	4 mm (5/32 in)
Emissivity	-	0.04-0.05
Reflectivity	-	0.95-0.96
Compressive strenght	-	414kN/m^2 (60.05 lb/in^2)
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	10
Smoke development	ASTM E84	110

(Nominal values)

RESISTO

M1V

PROPERTIES (CONTINUED)

Properties	STANDARDS	M1V
Flame spread	CAN/ULC-S102	0
Smoke development	CAN/ULC-S102	30s
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)
RESISTO 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	M1V 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 RESISTO. Furthermore, since RESISTO 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. Moreover, the use of SPACER STRIPS or wood furring strps is highly advised. They create an air space between the REFLECTING INSULATION and the surface to be insulated to easily obtain maximum insulating value at a low price. The recommended air space should be between 0.5 in to 2 in (1.25 cm to 5 cm).
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 RESISTO ADHESIVE TAPE or with a suitable sealant.