

A1A

INSULATION | VAPOR BARRIER

A 4 mm reflective insulating vapor barrier consisting of a ply of air bubbles, laminated between aluminum foil on each side.

- Helps increase the effectiveness of the building envelope waterproofing.
- Easy installation

PRODUCT PURPOSE

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

PRODUCT CHARACTERISTICS

| | | |
|------------------------|---|---------------|
| Surface | Aluminum | |
| Underface | Aluminium | |
| Installation Method | Stapled | Adhesive tape |
| Température de service | -40 °C to 116 °C (-40 °F to 240 °F) (aucun délaminage) | |

PACKAGING

| Code | Width | | Lenght | | Thickness | | Selvedge Width | Net Area | | Brute Area | |
|-------|-------|----|--------|--------|-----------|------|----------------|----------------|-----------------|----------------|-----------------|
| | m | ft | m | ft | mm | in | | m ² | pi ² | m ² | pi ² |
| 55022 | 1.22 | 4 | 3.81 | 12.50 | 4 | 5/32 | 100 | 4.65 | 50.03 | 4.65 | 50.03 |
| 55052 | 1.22 | 4 | 19.05 | 62.50 | 4 | 5/32 | 100 | 23.24 | 250.16 | 23.24 | 250.16 |
| 55062 | 1.22 | 4 | 38.10 | 125.00 | 4 | 5/32 | 100 | 46.48 | 500.33 | 46.48 | 500.33 |
| 55051 | 2.44 | 8 | 38.10 | 125.00 | 4 | 5/32 | 100 | 92.96 | 1000.66 | 92.96 | 1000.66 |




PROPERTIES

| Properties | STANDARDS | A1A |
|---|------------------------|--|
| Emissivity | ASTM E408-71/ASTMC1371 | 0.06 |
| Basic weight | - | 15 / 13,5 kN/m (85 / 76 lbf/in) |
| Bursting strength | - | 60 / 65 % |
| Puncture resistance | - | 575/500 N (129/112 lbf) |
| Tensile strength | - | No alteration at -20 °C (-4 °F) |
| Water immersion (24 h at 23 °C [73 °F]) | - | 1100 N (247 lbf) |
| Flame spread | (ASTM E84) | 1,000 N/m (5.7 lbf/in) |
| Smoke development | - | Exposed aluminum 0 Exposed polyester 10 |

(Nominal values)

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INSTALLATION

| | | | | |
|------------------------|---|---------|--|--------------|
| Storage | Store rolls upright, in a dry place. | | | |
| Complementary Products | ADHESIVE ALUMINUM TAPE | | | |
| Tools Required |  | Knife |  | Tape measure |
| |  | Stapler | | |
| Surface Preparation | All cracks and surface holes should be repaired before installing an AYR-FOIL product. If there is an existing vapor barrier, it must be removed or torn to avoid condensation problems. | | | |
| Installation | AYR-FOIL can be stapled, nailed, screwed, glued and threaded. Depending on the product application, the installation method may vary. See AYR-FOIL INSTALLATION GUIDE for possible applications as well as installation methods. | | | |
| Tricks / Tips | Do not overlap the AYR-FOIL membrane, unless it is installed under a concrete slab. Joints must be properly sealed. In order to reduce air infiltration and moisture transfer to a minimum, avoid perforating the AYR-FOIL. All holes must be sealed with the AYR-FOIL TAPE or with a suitable sealant. | | | |