



DATA SHEET NO. 5116-000

AIR-SHIELD™ ALUMINUM FLASHING Aluminum-Faced Flexible Flashing

DESCRIPTION

AIR-SHIELD ALUMINUM FLASHING is a self-adhering flexible membrane flashing with an aluminum facer. It is a roll-type product that is nominally 40 mils thick. This material is an air, vapour, and liquid moisture barrier. When properly applied, the product reduces the risk of rot and mould development.

USES

AIR-SHIELD ALUMINUM FLASHING provides protection against water infiltration in critical detail areas, such as window and door openings, deck-to-wall intersections, corner boards, wall-to-wall tie-ins, foundation sill plates, sheathing panel seams, under stucco finishes, masonry walls, and other non-roof detail areas. Suitable substrate types are wood, concrete, concrete masonry units (CMU), and exterior gypsum sheathing.

FEATURES/BENEFITS

- Aluminum-faced film - provides improved sealant adhesion and extended UV exposure.
- Easy to install.
- Reduces the risk of rot and mould development.
- Superior adhesion.
- Seals around fasteners.
- Watertight.
- Low temperature version also available - can be applied at temperatures between -7° 16° C.

PACKAGING

Available in cut sizes. Also available in cut rolls of 102, 152, 224, and 326 mm (4", 6", 9", 12") wide. NOTE: Some sizes require lead time. All rolls are 22.9 m (75') long.

TECHNICAL DATA

PROPERTY	TEST RESULTS	TEST METHODS
Thickness, membrane + film	1.1 mm (0.043")	ASTM D3767 Method A
Puncture Resistance, membrane + film	(0.39 KN) 88 lbf	ASTM E154
Tensile Strength, MD, membrane + film	5.17 MPa (750 psi)	ASTM D412 die C modified
Tensile Strength, CMD, membrane + film	6.55 MPa (950 psi)	ASTM D412 die C modified
Elongation, MD, membrane + film	327%	ASTM D412 die C modified
Elongation, CMD, membrane + film	254%	ASTM D412 die C modified
Water Absorption	<0.1%	ASTM D570
Water Vapor Transmission	<0.01 Perms	ASTM E96, B
Rubberized asphalt softening point	96.1° C	ASTM D36
Flexibility @ -29° C	Pass	ASTM D1970

All technical data is typical information and will vary due to testing methods, site conditions, temperature, curing, procedures and batching. Statistical differences in test results should be anticipated. On-site testing results may not correlate to published laboratory results due to testing variations from laboratory conditions.

Continued ...

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APPLICATION

Surface Preparation ... Apply AIR-SHIELD ALUMINIUM FLASHING in fair weather conditions when the air, surface, and membrane are at temperatures of -4° C or higher. After precipitation, allow a minimum of 24 hours for drying before installation. Install directly onto a clean and dry surface. Remove dust, dirt, and loose nails. Protrusions must be removed. Surfaces should have no voids or damaged/unsupported areas. Repair surfaces before installing. Surfaces should be free of scale, rust, grease, and oil and conditioned with MEL-PRIME™ or MEL-PRIME W/B from W. R. MEADOWS.

Application Method ... Cut AIR-SHIELD ALUMINUM FLASHING to desired length. Peel back the release paper to expose adhesive. Align the membrane and press into place with heavy hand pressure. Laps must be a minimum of 63.5 mm (2.5"). Consistent with good construction practice, install the membrane so that all laps shed water (following the shingle principle). The top membrane layer should go over the bottom layer. Always work from low point to high point.

If being used with a masonry cladding, use AIR-SHIELD from W. R. MEADOWS instead due to the potential long term corrosion of the aluminum facer when in contact with the alkalis in the mortar.

PRECAUTIONS

Do not leave the product permanently exposed to sunlight. Maximum recommended exposure time is one year. Maximum allowable temperature is 60° C. The rubberized asphaltic membrane component (soft black side) may not be compatible with most polyurethanes or silicones. W. R. MEADOWS offers a line of approved products as part of our complete system. Please reference the appropriate detail for your specific application. When used with other products than recommended, ensure compatibility through either testing or written approval from the manufacturer. Membrane adhesion of self-adhesive membranes on oriented strand board (OSB) can sometimes be affected by the level of surface texture or the presence of wax that is part of the binder used to bond together the wood strands. In situations where the membrane adhesion is compromised, in-situ adhesion tests should be performed to determine suitability of substrate prior to full installation. If there are variations in the OSB surface, multiple tests may be required.

MASTERFORMAT NUMBER AND TITLE

04 05 23 - Masonry Accessories
07 65 26 - Flexible Flashing

For most current data sheet, LEED information, and SDS, visit www.wrmeadows.com.

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