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(Supersedes August 2021)

AIR-SHIELD™ THRU-WALL FLASHING

Flexible Flashing

DESCRIPTION

AIR-SHIELD THRU-WALL FLASHING is a self-adhering, flexible membrane flashing. It is a roll-type product that is nominally 40 mils thick. This material is an air, vapor, and liquid moisture barrier.

USES

AIR-SHIELD THRU-WALL FLASHING is a concealed flashing for masonry concrete, wood/steel frames, and roofing applications – door and window lintels, sills, spandrel beams, caps, and parapets. AIR-SHIELD THRU-WALL FLASHING is designed for use as a thru-wall flashing and dampproofing course.

FEATURES/BENEFITS

- Controlled thickness membrane is ideal for flashing membrane applications.
- Cross-laminated polyethylene film has excellent tensile strength, elongation, and tear-resistance.
- Modified membrane is flexible at low temperatures.
- Rugged membrane can actually fold to shape during application as a thru-wall flashing.
- Excellent adhesion to prepared substrates of precast concrete, cast-in-place concrete, masonry (concrete block), interior and exterior gypsum board, Styrofoam, primed steel, aluminum mill finish, anodized aluminum, primed galvanized metal, drywall, and plywood.
- Self-healing characteristics facilitate recovery if minimal damage is sustained under normal use applications.
- No flame required.
- Low temperature version also available for use in temperatures down to 20° F (-7° C),

PACKAGING

Roll Sizes Available in cut sizes
Also available in cut rolls of 4", 6", 9", 12", 16", 18", 20", and 24" (102, 152, 224, 326, 406.4, 457.2, 508, and 609.6 mm) wide. NOTE: Some sizes require lead time. All rolls are 75' (22.9 m) long.

TECHNICAL DATA

Test	Results
Color:	White
Thickness:	40 mils (1 mm)
Pliability @ -25° F (-32° C)	No effect
Tensile Strength Film ASTM D412 modified (MD): ASTM D882 (MD): lb./in.	4000 psi (27.6 MPa) 23.5 lb/in. (4.1 N/mm)
Elongation Film: ASTM D412 modified (MD, %): ASTM D882, (MD, %):	400 (Typical) 400 Min.
Puncture Resistance: ASTM E154	40 lbf (178 N) Min.
Water Vapor Permeance (free film) ASTM E96, Procedure B	0.035 Perms
Water Absorption (% by weight): ASTM D1970 ASTM D570-81	0.25 Max 0.1 Max.
Application Temperature:	40° F (4° C) Min.
Low Temperature Flexibility @ -22° F (-30° C) (CGSB 37-gp-56m)	PASS
Service Temperature	-40° F to 158° F
Lap Peel Strength @ 39° F (4° C) (ASTM D903, 180 Bend)	10 lbf/in width (1.75 N/mm)

APPLICATION

Surface Preparation ... All surfaces to receive AIR-SHIELD THRU-WALL FLASHING should be clean, dry, smooth, and free from projections that could puncture the membrane. Prepare substrate per manufacturer's instruction prior to application of membrane. Surfaces shall be free of scale, rust, grease, and oil and conditioned with MEL-PRIME™, MEL-PRIME N.E., or MEL-PRIME W/B from W. R. MEADOWS. All walls to receive AIR-SHIELD THRU-WALL FLASHING should be capped to prevent moisture infiltration from entering the wall during construction.

CONTINUED ON REVERSE SIDE ...

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Application Method ... Remove release paper prior to application. AIR-SHIELD THRU-WALL FLASHING should be recessed a minimum of 1/2" (13 mm) from the face of the masonry. Flashing should not be permanently exposed to sunlight. Do not allow the rubberized asphalt surface of the flashing membrane to contact sealants containing solvents, creosote, uncured coal tar products, EPDM, or PVC components.

For CAD details, most recent data sheet, sustainability information, and SDS, visit www.wrmeadows.com.

AIR-SHIELD THRU-WALL FLASHING should either be tied into the wall system or mechanically fastened with TERMINATION BAR from W. R. MEADOWS. If AIR-SHIELD THRU-WALL FLASHING is not embedded in the masonry joint, apply TERMINATION BAR at the top edge (and seal with POINTING MASTIC or BEM from W. R. MEADOWS) to mechanically fasten the flashing membrane. Overlaps of the flashing should be a minimum of 2.5" (63.5 mm). Where flashing sections overlap, the seam created by the overlap should be sealed with POINTING MASTIC or BEM from W. R. MEADOWS

Open Cavity Installation ... AIR-SHIELD THRU-WALL FLASHING should always be supported across the full width of the wall cavity below. Proper design should provide support with a cavity bridge to ensure AIR-SHIELD THRU-WALL FLASHING does not sag in the open cavity and collect water. Adhesion of membrane 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. Prior to placement on OSB, 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.

Make sure to follow all Masonry Institute of America applications and precautions.

PRECAUTIONS

Intended for concealed and protected applications; not intended for uses subject to abuse or permanent exposure to the elements.



LIMITED WARRANTY

W. R. MEADOWS, INC. warrants at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of acceptance of the order. Read complete warranty. Copy furnished upon request.

Disclaimer

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