

GUIDE SPECIFICATION FOR AIR-SHIELD™ 25 MIL FLASHING TAPE

SECTION 07 65 26

SELF-ADHERING SHEET FLASHING

Specifier Notes: This guide specification is written according to the Construction Specifications Institute (CSI) format. The section must be carefully reviewed and edited by the architect or engineer to meet the requirements of the project. Coordinate this section with other specification sections and drawings.

Specifier Notes: AIR-SHIELD 25 MIL FLASHING TAPE is a self-adhering, flexible membrane flashing. It is a roll-type product that is nominally 25 mils thick. This material is an air, vapor, and liquid moisture barrier. When properly applied, the product reduces the risk of rot and mold development. AIR-SHIELD 25 MIL FLASHING TAPE 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.

This unique, self-adhesive membrane, protected by a special release paper, is strong and durable. It remains flexible when surface mounted and will adhere to most primed surfaces at minimum temperatures of 25° F (- 4° C). The membrane provides excellent protection as a tough barrier that won't shrink, sag, dry out, crack, or rot. It offers excellent resistance to punctures during installation. The self-healing characteristics of AIR-SHIELD 25 MIL FLASHING facilitate recovery if minimal damage is sustained under normal use applications, i.e. when penetrated with self-tapping screws or nails.

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Surface preparation.
- B. Application of self-adhering sheet membrane flashing tape.

1.02 RELATED SECTIONS

Specifier Notes: Edit the list of related sections as required for the project. List other sections dealing with work directly related to this section.

- A. Section 04 20 00 - Unit Masonry.
- B. Section 07 21 00 - Thermal Insulation.
- C. Section 07 60 00 - Flashing and Sheet Metal.
- D. Section 07 80 00 - Fire and Smoke Protection.
- E. Section 07 92 00 - Joint Sealants.
- F. Section 08 10 00 - Doors and Frames.
- G. Section 08 50 00 - Windows.
- H. Section 09 20 00 - Plaster and Gypsum Board.

1.03 SUBMITTALS

- A. Comply with Section 01 33 00 - Submittal Procedures.
- B. Submit manufacturer's product data and application instructions.

1.04 QUALITY ASSURANCE

- A. Installer Qualifications: Use an experienced installer and adequate number of skilled personnel who are thoroughly trained and experienced in the application of self-adhesive membranes.
- B. Obtain self-adhesive flashing tape materials from a single manufacturer regularly engaged in manufacturing the product.
- C. Provide products which comply with all state and local regulations controlling use of volatile organic compounds (VOCs).

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Store materials in a clean, dry area in accordance with manufacturer's instructions.
- C. Store adhesives and primers at temperatures of 40° F (5° C) and above to facilitate handling.
- D. Store membrane cartons on pallets.
- E. Do not store at temperatures above 90° F (32° C) for extended periods.
- F. Keep away from sparks and flames.
- G. Completely cover when stored outside. Protect from rain.
- H. Protect materials during handling and application to prevent damage or contamination.

1.06 ENVIRONMENTAL REQUIREMENTS

- A. Product not intended for uses subject to abuse or permanent exposure to the elements.
- B. Protect rolls from direct sunlight until ready for use.
- C. Allow a minimum of 24 hours for drying before installation after precipitation.
- D. Do not apply membrane when air or surface temperatures are below 25° F (-4° C).
- E. Do not apply to frozen surfaces.

PART 2 PRODUCTS

2.01 MANUFACTURER

- A. W. R. MEADOWS®, INC., PO Box 338, Hampshire, Illinois 60140-0338. (800) 342-5976. (847) 683-4500. Fax (847) 683-4544. Web Site: www.wrmeadows.com.

2.02 MATERIALS

- A. Rolled, Self-Adhering Sheet Flashing Membrane: 25 mils (0.635 mm) thick membrane consisting of self-adhesive rubberized asphalt membrane bonded to high density cross-laminated polyethylene carrier film, protected by release paper.
 - 1. AIR SHIELD 25 MIL FLASHING TAPE by W. R. MEADOWS.

2.03 ACCESSORIES

- A. Primer:

1. Temperatures above 40° F (4° C): Water-Based Primer
 - a. MEL-PRIME™ W/B Water-Based Primer by W. R. MEADOWS.
 2. Temperatures below 40° F (4° C): Solvent-Based Primer.
 - a. MEL-PRIME VOC-Compliant Solvent-Based Primer or Standard Solvent-Based Primer by W. R. MEADOWS.
- B. Pointing Mastic: mastic for sealing penetrations and terminations of membrane.
 1. POINTING MASTIC by W. R. MEADOWS.
- C. Concrete Repair Materials: MEADOW-PATCH™ 5 and 20 Concrete Repair Mortars.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Examine surfaces to receive flashing tape. Notify architect if surfaces are not acceptable. Do not begin surface preparation or application until unacceptable conditions have been corrected.

3.02 SURFACE PREPARATION

- A. Protect adjacent surfaces not designated to receive self-adhering flashing tape.
- B. Clean and prepare surfaces to receive membrane in accordance with manufacturer's instructions.
- C. Do not apply flashing tape to surfaces unacceptable to manufacturer.
- D. All surfaces must be clean, smooth, and dry and must be clean of oil, dust, and excess mortar.
- E. Patch all holes and voids and smooth out any surface misalignments.
- G. Concrete surfaces must be cured for a minimum of 14 days.
- H. If curing compounds are used, they must be clear, resin-based, and without oil, wax, or pigments.

3.03 APPLICATION OF SELF-ADHERING FLASHING TAPE

- A. Cut flashing tape to desired length.
- B. Prime surfaces to be covered in one working day with applicable primer.
- C. Peel back the release paper to expose adhesive.
- D. Align the membrane and press into place with heavy hand pressure.
- E. Ensure laps are a minimum of 3" (75 mm).
- F. Mechanically fasten the membrane at all vertical terminations using only smooth shank fasteners.
- G. Install the membrane so that the top membrane layer is over the bottom layer to ensure that all laps shed water.

3.04 PROTECTION

- A. Cover self-adhering sheet flashing as soon as possible, since it is not designed for permanent exposure.

END OF SECTION