

SECTION 04090.4**SELF-ADHERING CAVITY WALL MEMBRANE**

This product guide specification can be used to specify Strip-N-Flash®, a self-adhering, waterproofing membrane designed to provide moisture protection within a masonry wall cavity. This product specification can be inserted into SECTION 04800 - MASONRY ASSEMBLIES or other similar masonry specification section. The various paragraphs of this guide section will need to be inserted in the appropriate locations in either Part 1, 2, or 3. This guide might also be used as a separate section or combined with other guides to develop SECTION 04090 - MASONRY ACCESSORIES. *****

PART 1 - GENERAL**1.1 SUMMARY**

- A. Section includes: Self-adhering waterproofing membrane and primer to provide moisture protection within masonry wall cavities.

1.2 REFERENCES

- A. ASTM D146 - Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing.
- B. ASTM D412 - Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers - Tension.
- C. ASTM D903 - Peel or Stripping Strength of Adhesive Bonds.
- D. ASTM D2822 - Asphalt Roof Cement.
- E. ASTM E154 - Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, or Walls, or as Ground Cover.

1.3 SUBMITTALS

- A. Provide in accordance with Section 01330 - Submittal Procedures:
 - 1. Product data and installation instructions.
 - 2. Material safety data sheets (MSDS).
 - 3. [2 by 2] [51 by 51 mm] minimum sample of membrane.

1.4 PRODUCT HANDLING

- A. Protect products from excessive heat, freezing temperatures, and direct sunlight

during delivery, storage, and application.

- B. Store in clean, dry area away from open flame, sparks, or welding.

PARTS 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Advanced Building Products, Inc., 95 Cyro Drive, Sanford, Maine 04073; 800-252-2306; www.advancedbuildingproducts.com
- B. Manufacturers of equivalent products submitted and approved in accordance with Section 01630 - Product Substitutions Procedures.

2.2 PRODUCTS

- A. Self-adhering, waterproof membrane with siliconized release liner; Strip-N-Flash® as manufactured by Advanced Building Products, Inc.

1. Total thickness: 40 mils.
2. Composition: 32 mils rubberized asphalt laminated to 8 mils high density polyethylene film.

******* Strip-N-Flash® is provided in 12, 16, 18, and 24 inches (305, 406, 457, and 610 mm) widths. Select required width in following paragraph. *******

3. Width: [[12] [16] [18] [24] inches.] [[305] [406] [457] [610] mm.]
4. Tensile strength: 1,200 PSI minimum tested in accordance with ASTM D412.
5. Elongation: 200 percent tested in accordance with ASTM D412.
6. Pliability: Pass 1/4 inch mandrel test at minus 24 degrees tested in accordance with ASTM D146.
7. Peel adhesion: 5 pounds per inch minimum tested in accordance with ASTM D903.
8. Puncture resistance: 40 pounds minimum tested in accordance with ASTM E154.

- B. Primer: As recommended by membrane manufacturer for substrate.

PART 3 - EXECUTION

3.3 INSPECTION

******* Include the following paragraph if membrane is applied to concrete substrate.

- A. Verify concrete substrates to receive membrane are fully cured. Cure concrete walls 7 days minimum.
- B. Verify substrates are solid, free of oil, form release agents, curing compounds, frozen matter, loose particles, cracks, pits, rough projections, and foreign matter detrimental to adhesion and application of waterproofing.
- C. Verify air and surface temperatures are above 40 degrees F.

3.4 PREPARATION

- A. Clean and prepare surfaces to receive waterproofing in accordance with manufacturer's instructions.

******* for best results concrete, masonry, and some gypsum substrates require priming.
Contact Advanced Building Products, Inc. for recommendations. *******

- B. Primer application:
 - 1. Provide adequate ventilation.
 - 2. Apply by spray, brush, or roller at 250 to 350 square feet per gallon.
 - 3. Only prime areas to be waterproofed same day.
 - 4. At 75 degrees F allow primer to dry 1 hour minimum.
 - 5. Re-prime prior to application of waterproofing if contaminated by dust or curing time is exceeded.

3.5 MEMBRANE APPLICATION

- A. Apply membrane in accordance with manufacturer's instructions to masonry cavities as indicated and detailed on Drawings.
- B. Pre-cut membrane to fit each location in [8 feet] [2438 mm] maximum lengths.
- C. Remove release liner and carefully position membrane before pressing in place.
- D. Lap adjoining pieces [2 inches] [51 mm].
- E. Roll membrane with steel hand roller to ensure full adhesion. Avoid air pockets and wrinkles.

- F. At terminations, press membrane firmly to wall with hardwood tool exerting heavy pressure. [Provide termination bars and flashings as detailed on Drawings.]
- G. At horizontal terminations, turn up membrane [2 inches] [51 mm] to form end dam.

END OF SECTION