

SECTION 076526

Self-adhering Sheet Flashing

Vycor® Pro Flashing

PART 1 — GENERAL

1.00 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.01 SUMMARY

- A. Section provides for a flexible butyl adhesive based self sealing flashing tape

1.02 REFERENCES

- A. American Society for Testing and Materials
 1. ASTM E96 – Test Methods for Water Vapor Transmission of Materials
 2. ASTM D570 – Test Method for Water Absorption of Plastics
 3. ASTM E2112 – Standard Practice for Installation of Exterior Windows, Doors, and Skylights
 4. ASTM D1970 – Standard Specifications for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
 5. D412 – Test Methods for Vulcanized Rubber & Thermoplastic Rubbers and Thermoplastic Elastomers – Tension
 6. ASTM D3652 – Standard Test Method for Thickness of Pressure Sensitive Tapes

1.03 SUBMITTALS

- A. Product Data and Shop Drawings: Submit for each product; Spec-Data@/Data Sheets, details and installation procedures.
- B. Test Reports: Indicating compliance with the performance requirements of this section.
- C. Samples of flashing.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's recommendations for storage and handling of each product.

1.06 WARRANTY

- A. Standard Product Warranty:
 1. Submit manufacturer's warranty that flashing and accessories are free of defects at time of delivery, and are manufactured to meet manufacturer's published physical properties and material specifications.
 2. Warranty Period: Five years from date of completion of the flashing installation.
 3. Installer to warrant that flashing and accessories have been installed in accordance with manufacturer's recommendations.

PART 2 — PRODUCTS

2.01 MATERIALS

- A. Flashing Description: 0.3 mm of a cream colored non-asphaltic, butyl-modified, adhesive integrally bonded to 0.1 mm of engineered polypropylene film to provide a min. 0.4 mm (14 mil) thick membrane. Membrane shall be interleaved with silicone-coated release paper until installed.
- B. Performance Requirements:
 1. Meets or exceeds the requirements set forth in AAMA 711-13 voluntary specification for self adhered flashing Level 3 requirement for elevated temperature exposure.
 2. Meets or exceeds the requirements set forth in ASTM E2112 for Flashing Exterior Windows and Doors
 3. Water Penetration around Nails: ASTM D1970 Section 7.9, modified per section 5.2.1 of AAMA 711 voluntary specification – Pass 1.2 in head of water
 4. Tensile Strength: ASTM D412, Die C Modified – Min. 985 kPa (143 psi)
 5. Thickness: ASTM 3652 – Min 14 mils
 6. Color: Visual inspection – White film with green printing,

C. Product: Vycor® Pro Flashing manufactured by GCP Applied Technologies, Inc.

D. Flashing Accessories:

1. Primer:

a. Description: Water-based primer which imparts an aggressive, high tack finish on the treated substrate.

(1.) Flash Point: No flash to boiling point

(2.) Solvent Type: Water

(3.) VOC Content: Not to exceed 10 g/L

(4.) Application Temperature: -4°C (25°F) and above

(5.) Freezing point (as packaged): -7°C (21°F)

b. Product: Perm-A-Barrier WB Primer manufactured by GCP Applied Technologies, Inc.

PART 3 — EXECUTION

3.01 EXAMINATION

A. Examine conditions, with installer present, for compliance with requirements for installation, tolerances and other specific conditions affecting performance of flashing. Remove all deleterious materials from surfaces to be flashed.

3.02 INSTALLATION

A. General: Install flashing to dry surfaces at air and surface temperatures of -4°C (25°F) and above in accordance with manufacturer's recommendations at locations indicated on Construction Documents. Primer is not required for most substrates including plywood provided they are clean and dry. On concrete, masonry, and DensGlass Gold apply Perm-A-Barrier WB Primer prior to flashing.

B. Flexible Wall Flashing:

1. Precut pieces of flashing to easily handled lengths for each location.

2. Remove silicone-coated release paper and position flashing carefully before placing it against the surface.

3. When properly positioned, place against surface by pressing firmly into place by hand roller. Fully adhere flashing to substrate to prevent water from migrating under flashing.

4. Overlap adjacent pieces 50 mm (2 in.) and roll all seams with a steel hand roller.

5. Trim bottom edge 13 mm (1/2 in.) back from exposed face of the wall. Flashing shall not be permanently exposed to sunlight.

6. At heads, sills and all flashing terminations turn up ends a minimum of 50 mm (2 in.) and make careful folds to form an end dam, with the seams sealed.

7. Do not expose flashing membrane to sunlight for more than one hundred and twenty days prior to enclosure.

C. Accessories:

1. When required by dirty or dusty site conditions or by surfaces having irregular or rough texture, apply Perm-A-Barrier Primer Plus by air spray, brush or roller or apply Perm-A-Barrier WB Primer by brush or roller at the rate recommended by manufacturer, prior to flashing installation. Allow the primer to dry completely before flashing application.

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