

SECTION 07650

FLEXIBLE FLASHING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Laminated metal flashings and counterflashings.
- B. Mastic for setting and sealing joints.
- C. Accessories.

1.2 RELATED SECTIONS

- A. Section 04810 - Unit Masonry Assemblies.
- B. Section 04820 - Reinforced Unit Masonry Assemblies.
- C. Section 06100 - Rough Carpentry: Flashings at openings and sills.

1.3 REFERENCES

- A. SMACNA (ASMM) - Architectural Sheet Metal Manual; Sheet Metal and Air Conditioning Contractors' National Association.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets showing product characteristics and including installation instructions.
- C. Samples: Actual pieces of flashings specified, not less than 6 inches (150 mm) square.

1.5 QUALITY ASSURANCE

- A. Installation Standard: Comply with recommendations of SMACNA Architectural Sheet Metal Manual (ASMM).
- B. Installer Qualifications: Company with at least five years of successful experience in weathertight installation of flashing.
- C. Coordination: Interface flashing work with adjacent and adjoining work to ensure best possible weather resistance and durability of completed flashing.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to project site in manufacturer's sealed packaging, bearing manufacturer's name and product identification.
- B. Stack flashing materials to avoid twisting, bending, and abrasion. Protect materials from weather before installation.
- C. Store mastic materials in sealed containers under cover.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide products manufactured by Polytite Manufacturing Corporation; 324 Rindge Avenue, Cambridge, MA 02140. ASD. Telephone: 617-864-0930 or 800-776-0930. Fax: 617-864-9006.
- B. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- C. Substitutions: Not permitted.

2.2 MATERIALS

- A. Copper Fabric Flashing: Laminated sheet comprised of copper sheet laminated between two layers of fiberglass fabric with a polymer modified asphalt.
 - 1. Copper weight: 2 oz/sq ft (610 g/sq m).
 - 2. Copper weight: 3 oz/sq ft (915 g/sq m).
 - 3. Copper weight: 5 oz/sq ft (1525 g/sq m).
 - 4. Copper weight: 7 oz/sq ft (2135 g/sq m).
- B. Coated Copper Flashing: Copper sheet coated on both sides with a polymer modified asphalt compound weighing approximately 6 oz/sq ft (1830 g/sq m).
 - 1. Copper weight: 2 oz/sq ft (610 g/sq m).
 - 2. Copper weight: 3 oz/sq ft (915 g/sq m).
 - 3. Copper weight: 5 oz/sq ft (1525 g/sq m).
 - 4. Copper weight: 7 oz/sq ft (2135 g/sq m).
- C. Copper Kraft Duplex Flashing: Copper sheet bonded on both sides by asphalt to heavy creped Kraft paper.

1. Copper weight: 1 oz/sq ft (305 g/sq m).
2. Copper weight: 2 oz/sq ft (610 g/sq m).
3. Copper weight: 3 oz/sq ft (915 g/sq m).
4. Copper weight: 5 oz/sq ft (1525 g/sq m).

D. Copper Kraft Flashing: Copper sheet bonded on one side to heavy asphalt saturated creped Kraft paper.

1. Copper weight: 1 oz/sq ft (305 g/sq m).
2. Copper weight: 2 oz/sq ft (610 g/sq m).
3. Copper weight: 3 oz/sq ft (915 g/sq m).

2.3 ACCESSORIES

A. Asphalt Trowel Mastic: Cut-back asphalt containing long fibered material, in trowel grade consistency.

B. Reglets: Types and profiles as indicated on the drawings and as recommended by flashing manufacturer.

2.4 FABRICATION

A. Forming: Fabricate flashings true to shape and accurate in dimension. Form pieces in longest possible lengths to minimize joints. Fold flashing at corners and at ends of pans instead of cutting.

B. Joints: Provide not less than 4 inches (100 mm) of overlap at flashing joints.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that surfaces to receive flashing are thoroughly dry, free from loose materials, and reasonably smooth, with no sharp edges or projections.

B. Verify that locations to receive flashing are sloped so water that enters will drain to building exterior.

3.2 INSTALLATION

A. General: Comply with recommendations of SMACNA ASMM.

1. Lap joints minimum of 4 inches (100 mm) and seal watertight with mastic.
2. Carry flashing vertically as detailed, but not less than 6 inches (150 mm) above horizontal plane.

3. Extend head and sill flashings not less than 6 inches (150 mm) beyond edges of openings and turn up to form watertight pan; seal with mastic.
- B. Masonry Flashing: Comply with requirements of Section 04810.
 - C. Masonry Flashing: Lay horizontal flashing in slurry of fresh mortar and top with fresh full bed of mortar to receive masonry units. At vertical surfaces, spot flashing with mastic to hold in place until masonry has set.
 1. Carry flashing through wall and leave exposed for inspection.
 2. After inspection, cut flashing flush with surface of masonry.
 - D. Flashing in Frame Construction: Comply with requirements of Section 06100.
 - E. Flashing in Frame Construction: Install over solid backing, both vertically and horizontally. Secure in place with mastic; avoid puncturing installed flashing with nails or other fasteners.

3.3 ADJUSTING

- A. Remove mortar or other obstructions from weep holes at flashing locations.

END OF SECTION