

SECTION 07650

FLEXIBLE FLASHING

PART GENERAL

SECTION INCLUDES

Laminated metal flashings and counterflashings.

Plastic flashings.

Self-adhering rubberized asphalt flashings.

Mastic for setting and sealing joints.

RELATED SECTIONS

Section 04810 - Unit Masonry Assemblies.

Section 04820 - Reinforced Unit Masonry Assemblies.

Section 06100 - Rough Carpentry: Flashings at openings and sills.

Section 07311 - Asphalt Shingles: Flashings associated with shingle roofing.

REFERENCES

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

SUBMITTALS

Submit under provisions of Section 01300.

Product Data: Manufacturer's data sheets showing product characteristics and including installation instructions.

Samples: Actual pieces of flashings specified, not less than 6 inches (150 mm) square.

QUALITY ASSURANCE

Installation Standard: Comply with recommendations of SMACNA Architectural Sheet Metal Manual (ASMM).

Installer Qualifications: Company with at least five years of successful experience in weathertight installation of flashing.

Coordination: Interface flashing work with adjacent and adjoining work to ensure best possible weather resistance and durability of completed flashing.

DELIVERY, STORAGE, AND HANDLING

Deliver materials to project site in manufacturer's sealed containers and packaging, bearing manufacturer's name and product identification.

Stack flashing materials to avoid twisting, bending, and abrasion. Protect materials from weather before installation.

Store mastic materials in sealed containers under cover.

PART PRODUCTS

MANUFACTURERS

Provide products manufactured by Sandell Manufacturing Company, Inc., 399 W. Main Street, Amsterdam, NY 12010. ASD. Tel: (518) 843-0093. Fax: (518) 843-0148.

Requests for substitutions will be considered in accordance with provisions of Section 01600.

Substitutions: Not permitted.

MATERIALS

Copper Fabric Flashing: Laminated sheet comprised of copper sheet, asphalt mastic coated on both sides, bonded under pressure between two layers of asphalt saturated, woven glass fabric.

Copper weight: 2 oz/sq ft (610 g/sq m).

Copper weight: 3 oz/sq ft (915 g/sq m).

Copper weight: 5 oz/sq ft (1525 g/sq m).

Copper weight: 7 oz/sq ft (2135 g/sq m).

Coated Copper Flashing: Copper sheet coated on both sides with a rubberized asphalt compound weighing not

less than 6 oz/sq ft (1830 g/sq m).

Copper weight: 2 oz/sq ft (610 g/sq m).

Copper weight: 3 oz/sq ft (915 g/sq m).

Copper weight: 5 oz/sq ft (1525 g/sq m).

Copper weight: 7 oz/sq ft (2135 g/sq m).

Copper Kraft Flashing: Copper sheet bonded on one side to waterproofed creped Kraft paper weighing not less than 3 oz/sq ft (915 g/sq m) and reinforced with heavy fibers.

Copper weight: 1 oz/sq ft (305 g/sq m).

Copper weight: 2 oz/sq ft (610 g/sq m).

Copper weight: 3 oz/sq ft (915 g/sq m).

Copper Kraft Duplex Flashing: Copper sheet bonded on both sides by asphalt to heavy waterproof creped Kraft paper weighing 3 oz/sq ft (915 g/sq m) and 5 oz/sq ft (1525 g/sq m) and reinforced with heavy fibers.

Copper weight: 1 oz/sq ft (305 g/sq m).

Copper weight: 2 oz/sq ft (610 g/sq m).

Copper weight: 3 oz/sq ft (915 g/sq m).

Copper weight: 5 oz/sq ft (1525 g/sq m).

Copper Kraft Plus Lead Flashing: Copper and lead sheet adhered with asphalt to a creped Kraft duplex covering on one side that is reinforced with interspersed fiberglass strands.

Combined weight of copper and lead: 2 oz/sq ft (610 g/sq m).

Combined weight of copper and lead: 3 oz/sq ft (915 g/sq m).

Copper Kraft Duplex Plus Lead Flashing: Copper and lead sheet bonded on both sides with asphalt to creped Kraft duplex covering that is reinforced with interspersed fiberglass strands.

Combined weight of copper and lead: 2 oz/sq ft (610 g/sq m).

Combined weight of copper and lead: 3 oz/sq ft (915 g/sq m).

Combined weight of copper and lead: 5 oz/sq ft (1525 g/sq m).

Combined weight of copper and lead: 7 oz/sq ft (2135 g/sq m).

PVC Flashing: Non-reinforced polyvinyl chloride sheet; thickness and weight as follows:

Sandell Nuflex Type 10: 0.010 in (0.25 mm) thick; nominal 11 oz/sq yd (373 g/sq m).

Sandell Nuflex Type 20: 0.020 in (0.50 mm) thick;
nominal 22 oz/sq yd (746 g/sq m).
Sandell Nuflex Type 30: 0.030 in (0.75 mm) thick;
nominal 33 oz/sq yd (1119 g/sq m).
Sandell Nuflex Type 60: 0.056 in (0.50 mm) thick;
nominal 60 oz/sq yd (2035 g/sq m).

Sando-Seal Self-Adhering Flashing: 40 mil (1.02 mm) thick membrane comprised of 32 mils (0.8 mm) of highly adhesive rubberized asphalt integrally bonded to an 8 mil (0.22 mm) high density, cross laminated polyethylene film.

ACCESSORIES

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

Nuflex Mastic: Adhesive formulated for use with PVC flashing. Tacky, fast-grabbing semi-pressure-sensitive rubber or resin base adhesive suitable for bonding PVC sheet to itself and to a wide variety of building materials.

Primer: Manufacturer's special primer formulated to prepare surfaces for self-adhering flashing.

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

FABRICATION

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.

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

PART EXECUTION

EXAMINATION

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

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

PREPARATION

Self-Adhering Flashing: Prime all surfaces to receive self-adhering flashing, and allow to dry for not less than 20 minutes prior to flashing application.

INSTALLATION

General: Comply with recommendations of SMACNA ASMM.

Lap joints minimum of 4 inches (100 mm) and seal watertight with mastic.

Carry flashing vertically as detailed, but not less than 6 inches (150 mm) above horizontal plane.

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.

Masonry Flashing: Comply with requirements of Section 04810.

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.

Carry flashing through wall and leave exposed for inspection.

After inspection, cut flashing flush with surface of masonry.

Flashing in Frame Construction: Comply with requirements of Section 06100.

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.

PVC Flashing: Lay flashing in full trowel coat of mastic, lapping joints not less than 6 inches (150 mm). Roll surface of flashing with rubber hand roller to remove all air.

ADJUSTING

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

END OF SECTION