

SECTION 07 61 70

FLEXIBLE MASONRY FLASHING

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK

A. Scope:

1. CONTRACTOR shall provide all labor, materials, tools, equipment and incidentals as shown, specified and required to furnish and install all flexible masonry flashing Work. The Work also includes:
 - a. Providing openings in the flexible masonry flashing to accommodate the Work under other Sections and building into the Work all items such as sleeves, anchor bolts, inserts and other items to be embedded in flexible masonry flashing for which placement is not specifically provided under other Sections.
2. Extent of flexible masonry flashing is shown on the Drawings.
3. Types of flexible flashing Work required include, but are not necessarily limited to, the following:
 - a. Flexible glass reinforced asphalt/copper laminate flashing in exterior unit masonry wall construction.
 - b. Miscellaneous adhesives and sealants.

B. Coordination:

1. Review requirements and procedures under other Sections and coordinate with Work related to this Section.
2. Work advanced without built-in flashings shall be removed and rebuilt as required by ENGINEER at no additional expense to OWNER, even if discovered only after walls and other materials are in-place.

C. Related Sections:

1. Section 04 05 05, Unit Masonry Construction.
2. Section 07 62 00, Sheet Metal Flashing and Trim.
3. Section 07 92 00, Joint Sealants.

1.2 QUALITY ASSURANCE

A. Source Quality Control: Obtain all flexible flashing materials from only one manufacturer.

B. Reference Standards: Comply with applicable provisions and recommendations of the following, except as otherwise shown or specified.

1. ASTM D 412, Test for Rubber Properties in Tension.
2. ASTM D 570, Water Absorption of Plastics.
3. ASTM D 746, Test for Brittleness Temperature of Plastics and Elastomers by

- Impact.
4. ASTM D 1499, Recommended Practice for Operating Light and Water - Exposure Apparatus (Carbon-Arc Type) for Exposure of Plastics.
 5. ASTM D 2240, Test for Rubber Property-Durometer Hardness.

1.3 SUBMITTALS

- A. Samples: Submit for approval 12-inch by 12-inch sample of specified material.
- B. Shop Drawings: Submit for approval copies of specifications, installation instructions and general recommendations from the flashing materials manufacturer, for the types of flashing products required. Include manufacturer's certification or other data substantiating that the materials comply with the requirements. Include documentation of improved performance claimed for products or methods which exceed the requirements.

1.4 PRODUCTS DELIVERY, STORAGE AND HANDLING

- A. Delivery of Products:
 1. Deliver products and materials in original unopened packages, containers, or bundles with manufacturer's label intact and legible.
 2. Remove items delivered in broken, damaged, rusted, or unlabeled condition from project site immediately.

1.5 JOB CONDITIONS

- A. Coordinate flexible masonry flashings with other Work to ensure secure anchorage and watertight seals, and to minimize exposure to puncture or other damage from the work of other trades.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Asphalt Fabric and Copper Laminate Flashing:
 1. Provide two layers of asphalt impregnated glass laminated to copper core, formed into uniform flexible sheets not less than 7 ounces per square foot.
 2. Provide custom field-fabricated and preformed inside and outside corner boots.
 3. Product and Manufacturer: Provide one of the following:
 - a. Copper Fabric Flashing by Advanced Building Product, Incorporated.
 - b. Or equal.
- B. Miscellaneous Materials:
 1. Adhesives: Provide the types of adhesive compounds and tapes recommended by the flashing sheet manufacturer for bonding of substrate, if required, for waterproof sealing of seams in the flashing, and for waterproof sealing of joints

- between flashing, membrane, adjoining surfaces, projections through the flashing, and for securing into cast-in-place reglets.
2. Sealants: Refer to Section 07 92 00, Joint Sealants.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Examine the substrate and the conditions under which the flexible flashing Work is to be performed, and notify ENGINEER in writing of unsatisfactory conditions. Do not proceed with the flexible flashing Work until unsatisfactory conditions have been corrected in a manner acceptable to ENGINEER. Commencement of the Work shall imply agreement by CONTRACTOR that the requirements of this Section can be fulfilled.

3.2 GENERAL INSTALLATION REQUIREMENTS

- A. It is the intention of this Section to provide a completely watertight wall flashing system. CONTRACTOR shall supply this system.
- B. Comply with manufacturer's instructions for handling and installation of the flexible masonry flashing materials, except where more stringent requirements are shown or specified.
- C. Build flexible masonry flashing Work into unit masonry construction as unit masonry construction Work progresses. Work advanced without built-in flashings shall be removed and rebuilt as required by ENGINEER.
- D. Seal all joints between flashing membrane watertight.
- E. Coordinate the installation of flashing materials and associated Work so as to provide a complete system complying with the combined recommendations of manufacturers and installers involved in the Work.
- F. Refer to Section 04 05 05, Unit Masonry Construction, for installation of flexible through wall flashing with masonry.
- G. Use only installation techniques approved by the flexible masonry flashing manufacturer.

3.3 FIELD TESTS

- A. Field test all flexible masonry flashing Work for water tightness upon completion.

3.4 ADJUSTMENT

- A. Repair flexible flashing at leaks.
- B. Unit masonry walls which leak due to improper flexible flashing installation shall be corrected at no further expense to OWNER.

++ END OF SECTION ++