

SECTION 07 6526

SELF-ADHERING SHEET FLASHING

PART 1 GENERAL

1.1 SUMMARY

- A. Work of this Section includes but is not limited to self-adhering sheet flashing.
- B. Related Documents and Sections: Examine Contract Documents for requirements that directly affect or are affected by Work of this Section. Other Documents and Sections that directly relate to work of this Section include, but are not limited to:
 - 1. General provisions of the Contract, including General and Supplementary Conditions, and Division 01 General Requirements Specification Sections.
 - 2. Section 04 2000 - UNIT MASONRY.
 - 3. Section 07 1326 - SELF-ADHERING SHEET WATERPROOFING.
 - 4. Section 07 2700 - AIR BARRIER MEMBRANES.
 - 5. Section 07 6200 - SHEET METAL FLASHING AND TRIM.

1.2 SYSTEM DESCRIPTION

- A. Performance Requirements:
 - 1. General: Sheet metal flashing and trim assemblies as indicated shall withstand wind loads, structural movement, thermally induced movement, and exposure to weather without failure due to defective manufacture, fabrication, installation, or other defects in construction. Completed sheet metal flashing and trim shall not rattle, leak, or loosen, and shall remain watertight.
 - 2. Fabricate and install copings capable of resisting the following forces, as appropriate for wind velocities of the project locale:
 - a. Velocity pressure.
 - b. Perimeter uplift force.
 - c. Corner uplift force.
 - d. Outward force.
 - 3. Thermal Movements: Provide sheet metal flashing and trim that allows for thermal movements from ambient and surface temperature changes.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's printed product data, specifications, standard details, installation instructions, use limitations and recommendations for each material used. Provide certifications that materials and systems comply with specified requirements.
- B. Shop Drawings: Provide large-scale shop drawings for fabrication, installation and erection of all parts of the Work. Provide plans, elevations, and details of anchorages, connections and accessory items. Show sizes, material gages, profiles, splices and other details. Provide installation templates for Work installed by others. Show all interfaces and relationships to Work of other trades.
- C. Initial Selection Samples: Submit samples showing complete range of colors, textures, and finishes available for each flashing material used.
- D. Verification Samples: Submit representative samples of each material that is to be exposed in the

completed Work. Show full color ranges and finish variations expected. Provide samples having minimum size of 305mm by 305mm. Provide samples of soldered joints suitable for testing for water tightness.

E. Quality Assurance Submittals:

1. Qualification Statements: Submit a letter, on printed letterhead and signed by an officer of the firm, for each listed quality assurance qualification listed, attesting to meeting each requirement called out.

1.4 QUALITY ASSURANCE

A. Reference Standards and Regulatory Requirements:

1. Where there are in existence EN, EN ISO, or Normes Française (NF) Standards applicable to this type of product and work, the recommendations and requirements of the highest Standard (most restrictive) shall be considered the minimum standard for the installation described, and must be complied with.
2. Reference to a Standard or Code shall be deemed to include all other Standards and Codes referred to in the specified Standard or Code.
3. Nothing herein shall relieve Trade Contractor of its responsibility to provide a higher standard than the relevant Code or Standard, where that is required in order to comply with other parts of the Specifications.

- B. Installer: Perform installation with skilled, experienced and trained workmen supervised by trained personnel who shall have at least three (3) years successful experience in installations of similar size and scope.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver, store, and handle materials in manufacturer's sealed containers and rolls.
- B. Store indoors or under cover, on raised platforms, fully protected from damage.

PART 2 PRODUCTS

2.1 SELF-ADHERING SHEET FLASHING

- A. Metal Clad Self-Adhering Sheet Flashing: Self-adhering rubberized asphalt bonded to polyethylene film and aluminum sheet. Minimum thickness 45 mils.

1. Available Products:

- a. Henry "HE200AM – Metal Clad Weather Barrier"
- b. Protecto Wrap "Protecto Seal 45"

- B. Self-Adhering, High-Temperature Sheet: 30 to 40 mils thick minimum, consisting of slip-resisting polyethylene-film top surface laminated to layer of butyl or SBS-modified asphalt adhesive, with release-paper backing; cold applied. Provide primer when recommended by underlayment manufacturer.

1. Thermal Stability: Stable after testing at 240 deg F; ASTM D1970.
2. Low Temperature Flexibility: Passes after testing at minus 20 deg F; ASTM D1970.
 - a. Available Products:
 - 1). WR Grace Ultra.
 - 2). Henry's Blueskin HT.
 - 3). Carlisle WIP 300HT.

2.2 MISCELLANEOUS MATERIALS

- A. General: Provide materials and types of fasteners, separators, sealants, and other miscellaneous items as required for complete metal flashing installation and recommended by manufacturer of primary sheet metal or manufactured item unless otherwise indicated.
- B. Elastomeric Sealant: Moisture cure, medium modulus polymer modified sealing compound having the following physical properties:
 - 1. Compatible with sheet air barrier, roofing and waterproofing membranes and substrate,
 - 2. Complies with Fed. Spec. TT-S-00230C, Type II, Class A.
 - 3. Complies with ASTM C 920, Type S, Grade NS, Class 25.
 - 4. Elongation: 450 – 550%
 - 5. Remain flexible with aging.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, to verify actual locations, dimensions and other conditions affecting performance of the Work.
 - 1. Verify compliance with requirements for installation tolerances of substrates.
 - 2. Verify that substrate is sound, dry, smooth, clean, sloped for drainage, and securely anchored.
- B. For the record, prepare written report, endorsed by Installer, listing conditions detrimental to performance of the Work.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 FLASHING INSTALLATION

- A. General: Install as indicated on Drawings and per Manufacturer's recommendations.
- B. Self-Adhering Sheet Flashing: Install self-adhering sheet flashing, wrinkle free. Apply primer if required by flashing manufacturer. Comply with temperature restrictions of flashing manufacturer for installation. Apply in shingle fashion to shed water, with end laps of not less than 6 inches staggered 600mm between courses. Overlap side edges not less than 89mm. Roll laps with roller. Cover flashing with subsequent construction within 14 days.
- C. Location:
 - 1. Flexible Flashing: As indicated on drawings, or at all exterior windows, doors or other penetrations where high temperature flashing is not required.
 - 2. Thru-Wall Flashing: As indicated on drawings, or at all masonry cavity wall conditions requiring flashing (head of windows, doors, openings, shelf angles, base of wall).
 - 3. High Temperature Flashing: As indicated on drawings, or at all locations where flashing will be in contact with metal coping or metal panels where high temperatures exist.

END OF SECTION

THIS PAGE INTENTIONALLY LEFT BLANK