
PART 1 GENERAL**1.1 RELATED DOCUMENTS**

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

1.2 SUMMARY

- A. This Section includes elastomeric flashing work as required to complete the work of this Project.
- B. Related Requirement:
 - 1. Division 1 Section "Sustainable Design Requirement."

1.3 QUALITY STANDARDS

- A. The work of this section shall be performed by a company which specializes in the type of elastomeric flashing work required for this Project, with a minimum of 5 years of documented successful experience and shall be performed by skilled workmen thoroughly experienced in the necessary crafts.
 - 1. Work shall be performed in compliance with Owner's insurance underwriters' requirements.
- B. Manufacturer shall specialize in manufacturing the type of elastomeric flashing specified in this section, with a minimum of 5 years of documented successful experience, and have the facilities capable of meeting all requirements of Contract Documents as a single-source responsibility and warranty.

1.4 SUBMITTALS

- A. Submit the following according to Conditions of the Construction Contract and Division 1 Specification Sections.
- B. Shop Drawings: Shall clearly indicate but not be limited to:
 - 1. General construction, locations, and installation details and joinery with other materials.
 - 2. Relationship to waterproofing materials.
- C. Product Data: Shall be clearly marked to indicate all technical information which specifies full compliance with requirements of this section and Contract Documents, including manufacturer's published installation recommendations.
- D. Hazardous Materials Notification: In the event no product or material is available that does not contain asbestos, PCB or other hazardous materials as determined by the Owner, a "Material Safety Data Sheet" (MSDS) equivalent to OSHA Form 20 shall be submitted for that proposed product or material prior to installation.
- E. Asbestos and PCB Certification: After completion of installation, but prior to Substantial Completion, Contractor shall certify in writing that products and materials installed, and processes used, do not contain asbestos or polychlorinated biphenyls (PCB), using format in Article 3 of General Conditions.

1.5 DELIVERY, HANDLING, STORAGE

- A. Comply with General Conditions and Division 1 Section "Product Requirements".

1.6 WARRANTY

- A. Comply with General Conditions and Division 1 Section "Product Requirements", agreeing to repair or replace specified materials or Work that has failed within the warranty period. Failures include but are not limited to the following:
 - 1. Delamination at joints.
 - 2. Leaking water or adhesive.
 - 3. Staining or discoloration.
 - 4. Objectionable appearance resulting from either defective or nonconforming materials or workmanship.

PART 2 PRODUCTS**2.1 UNAUTHORIZED MATERIALS**

- A. Materials and products required for work of this section shall not contain asbestos, polychlorinated biphenyls (PCB) or other hazardous materials identified by the Owner.

2.2 ACCEPTABLE MANUFACTURERS

- A. General: For the purpose of establishing the minimum functional, aesthetic and quality standards required for work of this section, products of the following manufacturer are specified:
1. Carlisle SynTec Systems/Div. of Carlisle Corp/Carlisle, Pennsylvania.
- B. Substitutions: Comply with General Conditions using form in Division 1 Section "Substitution Request Form".

2.3 ELASTOMERIC FLASHING

- A. Type: Carlisle "SURE-SEAL" Butyl sheet membrane of the following properties, and complete with adhesives and accessories required for secure installations:
1. Thickness: 60 mils minimum.
 2. Tolerance on Nominal Thickness: $\pm 10\%$, ASTM D412.
 3. Tensile Strength: 1500 min. psi at break, ASTM D412.
 4. Ultimate Elongation: 400% min., ASTM D412.
 5. Hardness, Durometer A: 55, ASTM D2240.
 6. Tear Resistance: 185 min., lbf/in, ASTM D624.
 7. Resistance to Puncture: 120 lbs., ASTM E154.
 8. Resistance to Heat Aging: 1200 psi min. tensile strength, 295% min. ultimate elongation, ASTM D573.
 9. Ozone Resistance: No cracks after exposure to 50 pphm ozone in air for 100 hours at 104°F, ASTM D1149.
 10. Brittleness: -45°F, max., ASTM D746.
 11. Resistance to Water Absorption: 1.0% change in mass max., ASTM D471.
 12. Water Vapor Permeability: 2.0 perm-mils max., ASTM E96 (Proc B or BW).
 13. Resistance to Soil Burial: 10% change max. breaking factor and 20% max. elongation at break.

PART 3 EXECUTION**3.1 INSTALLATION**

- A. Prepare surfaces and install elastomeric flashings in accordance with manufacturer's published instructions and Contract Documents.
1. Install flashing without stretching.
 2. Carefully coordinate with other types of waterproofing materials.
 3. Flashing shall turn up on wall 6" and onto floor 6".
- B. The completed flashing installation shall be watertight, free of wrinkles and buckling.

END OF SECTION