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# MANUFACTURER'S GUIDE SPECIFICATIONS

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## **SECTION 076526 SELF-ADHERING SHEET FLASHING**



**SECTION 07 65 26****SELF-ADHERING SHEET FLASHING****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Self-adhering through-wall flashing and accessory products by Carlisle Coatings & Waterproofing.
- B. Materials and installation of self-adhering through-wall flashing assemblies as indicated on drawings.
- C. Through-wall flashing and accessories for installation in cavity wall construction in the following locations:
  - 1. Wall bases
  - 2. Window sills
  - 3. Heads of openings
  - 4. Shelf angles
  - 5. Tops of walls
  - 6. Parapets
  - 7. Above projections such as bay windows
  - 8. At other discontinuities in the cavity

**1.02 PRODUCTS INSTALLED BUT NOT SUPPLIED UNDER THIS SECTION:**  
Masonry cavity drainage products (weeps and mortar drip screen) provided in Section 04 05 23 – Masonry Accessories. Metal drip edge provided in Section 07 62 00 – Sheet Metal Flashing and Trim.

**1.03 RELATED SECTIONS**

- A. Section 03 30 00 - Cast-In-Place Concrete: Concrete back-up walls, concrete footer
- B. Section 04 05 23 – Masonry Accessories: Weeps, mortar drip screen
- C. Section 04 20 00 - Unit Masonry: concrete masonry unit (CMU) back-up walls
- D. Section 06 16 00 – Sheathing: Exterior sheathing over wall studs
- E. Section 07 11 00 – Damp Proofing: bituminous damp proofing installed over CMU or concrete back-up walls

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- F. Section 07 21 00 - Thermal Insulation: Board insulation applied to exterior side of wall
- G. Section 07 25 00 – Weather Barriers: 15# felt or building wrap installed over exterior sheathing
- H. Section 07 62 00 - Sheet Metal Flashing and Trim: Metal through-wall flashings, metal drip edge
- I. Section 07 90 00 - Joint Protection: Joint sealant materials and installation.
- J. Section 09 29 00 - Gypsum Sheathing: Gypsum sheathing over metal studs.
- K. Section [ ] Other

#### 1.04 REFERENCES

- A. ASTM D 146 Standard Test Methods for Sampling and Testing Bitumen Saturated Felts and Woven Fabrics for Roofing and Waterproofing
- B. ASTM D 412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Elastomers – Tension
- C. ASTM D 570 Standard Test Method for Water Absorption of Plastics
- D. ASTM D 903 Standard Test Method for Peel and Stripping Strength of Adhesive Bonds
- E. ASTM D 1876 Standard Test Method for Peel Resistance of Adhesive
- F. ASTM D 4263 Standard Test Method for Indicating Moisture Content by Plastic sheet Method
- G. ASTM E 96 Standard Test Methods for Water Vapor Transmission of Materials.
- H. ASTM E 154 Standard Test Methods for Water Vapor Retarders used in Contact with Earth under Concrete Slabs, on Walls or as Ground Cover

1.05 PERFORMANCE REQUIREMENTS

- A. Provide a membrane constructed to perform as a through-wall flashing durably integrated with the wall assembly’s water resistive barrier and cavity drainage system. The installed through-wall flashing shall perform as a liquid water drainage plane to discharge incidental condensation or water penetration to the exterior through the cavity drainage system.
- B. Provide a fully-adhered, water proof membrane through-wall flashing of minimum 0.040 inch (40 mils) thickness consisting of 0.032 inch (32 mils) rubberized asphalt adhesive fully-coating 0.008 inch (8 mils) smooth surface, cross-laminated HDPE film. Membrane shall meet the following requirements:

REQUIREMENT	RESULT	TEST METHOD
Tensile Strength	Not less than 900 psi	ASTM D-412
Puncture Resistance	Not less than 80 lb.	ASTM E 154
Low Temperature Flexibility	Unaffected at minus 25 degrees F, 0.063 inch mandrel	ASTM D 146
Peel Adhesion	Not less than 5 lb per inch width on concrete prepared with contact adhesive	ASTM D 903
Lap Adhesion	Not less than 5 lb. per inch width	ASTM D 1876
Water Vapor Permeance	Not more than 0.05 Perm	ASTM E-96, Method B
Water Absorption	Not more than 0.12 percent by weight	ASTM D 570

1.06 SUBMITTALS

- A. Provide submittals in accordance with Section 01 33 00
- B. At bid submission, provide evidence to the Architect of installer qualification by Manufacturer.
- C. Shop drawings showing locations of through-wall flashing and details of all typical conditions.
- D. Manufacturer's technical data sheets and material safety data sheets for Product and Accessories.
- E. Manufacturer's installation instructions.
- F. Manufacturer’s documentation of volatile organic compounds (VOC) content for Product and Accessories.

- G. Certification of compatibility by Manufacturer, listing all materials on the Project with which the Product and Accessories may come into contact.
- H. Samples of Product minimum 3 inch by 4 inch size.

#### 1.07 QUALITY ASSURANCE

- A. Installer Qualifications: Installer shall be experienced in applying the same or similar materials and shall be specifically approved in writing by Manufacturer.
- B. Single-Source Responsibility: Obtain Product and Accessories from single manufacturer.
- C. Product and Accessories shall comply with all state and local regulations controlling use of volatile organic compounds (VOCs).
- D. Cooperate and coordinate with the Owner's inspection and testing agency. Do not cover any installed Product unless it has been inspected, tested and approved.

#### 1.08 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to Project site in original packages with seals unbroken, labeled with manufacturer's name, product, lot number and directions for storage.
- B. Store materials in their original undamaged packages in a clean, dry, protected location and within temperature range required by Manufacturer.
- C. Protect stored materials from direct sunlight. Do not store cylinders of Aerosol Contact Adhesive above 110 degrees F.
- D. Avoid spillage. Immediately notify Owner, [Architect] [Consultant] if spillage occurs and start clean up procedures. Clean spills and leave area as it was prior to spill.

#### 1.09 WASTE MANAGEMENT AND DISPOSAL

- A. Separate and recycle waste materials in accordance with Section 01 74 19 – Construction Waste Management and Disposal, and with the Waste Reduction Work Plan.

- B. Place materials defined as hazardous or toxic waste in designated containers.
- C. Ensure emptied containers are stored safely for disposal away from children.

#### 1.10 PROJECT CONDITIONS

- A. Do not apply during rain or accumulating snowfall.
- B. Applicator shall have full, safe access to area
- C. Apply Product and accessories within temperature range indicated in Manufacturer's literature.

1.11 WARRANTIES: Provide the Manufacturer's minimum five year material warranty under provisions of Section 01 78 36 – Warranties.

#### PART 2 PRODUCTS

2.01 PRODUCTS: Provide as manufactured by Carlisle Coatings & Waterproofing, Incorporated. 900 Hensley Lane, Wylie, TX 75098. Phone 1-800-527-7092. Website <http://www.carlisleccw.com>:

- A. Standard: CCW-705 TWF
- B. Low-Temp: CCW-705 TWF LT

2.02 ACCESSORIES: Provide as manufactured by Carlisle Coatings & Waterproofing, Incorporated.

- A. Contact Adhesive, select one:
  - 1. CCW-702 or CCW-702 LV Solvent-Based
  - 2. CCW-702 WB Water-Based
  - 3. CAV-GRIP™ Aerosol Spray
- B. Mastic: LM 800 XL solvent-based synthetic rubber
- C. Fill Compound:
  - 1. CCW-703 V Modified polyurethane, 2-part
  - 2. LM 800 XL Solvent-based, synthetic rubber, 1-part
  - 3. CCW-201 Polyurethane, 2-part
- D. Termination Bar: SURE-SEAL™ Termination Bar

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Examine substrates, areas, and conditions affecting installation of the through-wall flashing and accessory products for compliance with requirements. Verify that surfaces and conditions are suitable prior to commencing Work of this section. Do not proceed with installation until unsatisfactory conditions have been corrected.
- B. Concrete shall be cured for a minimum of seven days.
- C. Surfaces shall be sound, dry and free of oil, grease, dirt, excess mortar or other contaminants.
- D. Surfaces shall be supported and flush at joints without large voids or sharp protrusions.
- E. Ledge, footing, shelf angle or lintel surfaces shall be flat, or preferably sloped to provide drainage to the exterior. Surfaces shall not be oriented so that water can pond on the through-wall flashing.
- F. Inform Architect [Consultant] [Owner] in writing of anticipated problems applying Product over substrate.

### 3.02 SURFACE PREPARATION

- A. Fill joints and cracks greater than ¼ inch width with Fill Compound struck flush.
- B. Fill inside corners and angle changes with minimum ½ inch tooled bead of Fill Compound.

### 3.03 INSTALLATION

- A. Allow Fill compound used in Article 3.02 to cure fully before applying Product.
- B. Apply Product to sound substrate. Do not apply over mechanically-attached water resistive barrier such as felt, paper or house wrap.
- C. Prepare all surfaces accepting Product with Contact Adhesive. Observe installation instructions, including coverage rates and drying times, indicated in Manufacturer's literature.

- D. Apply Product over prepared surfaces according to Manufacturer's instructions and drawings.
- E. Apply Mastic to edges of Product at laps, cuts and penetrations.
- F. Secure vertical termination of Product with Termination Bar and Mastic, reglet with Mastic, or cast-in-place according to Manufacturer's instructions and drawings.
- G. Keep edge of product at least ½ inch away from exterior finish.

#### 3.04 SCHEDULE

- A. Install through-wall flashing during or after construction of back-up wall.
- B. Install through-wall flashing before or during installation of brick veneer.
- C. Lap water resistive barrier over vertical termination of through-wall flashing on back-up wall. Lap and secure water resistive barrier according to water resistive barrier manufacturer's instructions.
- D. Integrate through-wall flashing with adhered membrane air barrier, damp proofing or water-resistive barrier according to Manufacturer's instructions and drawings.

#### 3.05 REPAIR AND PROTECTION

- A. Protect from damage during application and remainder of construction period.
- B. Inspect before covering and make repairs according to Manufacturer's instructions.. Remove and replace damaged material.
- C. Product is not designed for permanent exposure. Cover with exterior cladding as soon as schedule allows.
- D. Outdoor exposure of installed Product shall not exceed 60 days.

END OF SECTION