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This MANU-SPEC® utilizes the Construction Specifications Institute (CSI) *Project Resource Manual* (PRM), including *MasterFormat™*, *SectionFormat™* and *PageFormat™*. A MANU-SPEC is a manufacturer-specific proprietary product specification using the proprietary method of specifying applicable to project specifications and master guide specifications. Optional text is indicated by brackets [ ]; delete optional text in final copy of specification. Specifier Notes typically precede specification text; delete notes in final copy of specification. Trade/brand names with appropriate symbols typically are used in Specifier Notes; symbols are not used in specification text. Metric conversion, where used, is soft metric conversion.

This MANU-SPEC specifies Protective Sill Drainage System (PSDS), a sill drainage system composed of positive sloped, closed-cell foam with a back dam. This product is manufactured by Protecto Wrap Co. Revise MANU-SPEC section number and title below to suit project requirements, specification practices and section content. Refer to CSI *MasterFormat™* for other section numbers and titles.

**SECTION 07 65 26**  
**SELF-ADHERING SHEET FLASHING**

**PART 1 GENERAL**

**1.01 SUMMARY**

- A. Section Includes: Sill drainage system.

Specifier Note: Article below may be omitted when specifying manufacturer's proprietary products and recommended installation. Retain Reference Article when specifying products and installation by an industry reference standard. If retained, list standard(s) referenced in this section. Indicate issuing authority name, acronym, standard designation and title. Establish policy for indicating edition date of standard referenced. Conditions of the Contract or Section 01 42 19 - Reference Standards may establish the edition date of standards. This article does not require compliance with standard, but is merely a listing of references used. Article below should list only those industry standards referenced in this section.

**1.02 REFERENCES**

- A. ASTM International (ASTM):
  1. ASTM D779 Standard Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method.
  2. ASTM D822 Standard Practice for Filtered Open-Flame Carbon-Arc Exposures of Paint and Related Coatings.
  3. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
  4. ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials.
  5. ASTM E283 Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen.
  6. ASTM E331 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference.
  7. ASTM E547 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference.
- B. Technical Association of the Pulp and Paper Industry (TAPPI):
  1. T460 Air Resistance of Paper (Gurley Method).

**1.03 SYSTEM DESCRIPTION**

- A. Performance Requirements:



1. Air Infiltration: Less than 0.01 cfm per square foot when tested with vinyl or wood windows, wind speed of 50 mph (81 kph), in accordance with ASTM E283.
2. Water Penetration: As follows when tested in accordance with ASTM E331 and E547 at a test pressure of 2.86 psf:
  - a. Vinyl Windows: Not less than 7.50 psf.
  - b. Wood Windows: Not less than 8.25 psf.
3. Fire Performance of House Wrap:
  - a. Surface burning characteristics when tested in accordance ASTM E84:
    - 1) Flamespread: 25, maximum.
    - 2) Smoke Developed: 450, maximum.

Specifier Note: Article below includes submittal of relevant data to be furnished by Contractor either before, during or after construction. Coordinate this article with Architect's and Contractor's duties and responsibilities in Conditions of the Contract and Division 01 Submittal Procedures Section.

#### 1.04 SUBMITTALS

- A. General: Submit listed submittals in accordance with Conditions of the Contract and Division 01 Submittal Procedures Section.
- B. Product Data: Submit product data, including manufacturer's SPEC-DATA® sheet, for specified products.
- C. Samples: Submit 6 inch (152 mm) samples of specified flashing.

Specifier Note: Article below should include prerequisites, standards, limitations and criteria that establish an overall level of quality for products and workmanship for this section. Coordinate article below with Division 01 Quality Assurance Section.

#### 1.05 QUALITY ASSURANCE

Specifier Note: Paragraph below should list obligations for compliance with specific code requirements particular to this section. General statements to comply with a particular code are typically addressed in Conditions of the Contract and Section 01 41 00 - Regulatory Requirements. Repetitive statements should be avoided.

- A. Regulatory Requirements: In accordance with Section [01 41 00 - Regulatory Requirements] [\_\_\_\_\_].

Specifier Note: Article below should include special and unique requirements. Coordinate article below with Division 01 Product Requirements Section.

#### 1.06 DELIVERY, STORAGE & HANDLING

- A. General: Comply with Division 01 Product Requirements Section.
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

Specifier Note: Coordinate article below with Conditions of the Contract and with Section 01 78 36 - Warranties.

#### 1.07 WARRANTY

- A. Project Warranty: Refer to Conditions of the Contract for project warranty provisions.
- B. Manufacturer's Warranty: Submit in accordance with Section [01 78 36 - Warranties] [\_\_\_\_\_] for Owner's acceptance, manufacturer's standard warranty document executed by authorized company official. Manufacturer's warranty is in addition to, and not a limitation of, other rights Owner may have under Contract Documents.
  1. Warranty Period: 15 years commencing on Date of Substantial Completion.

### PART 2 PRODUCTS

Specifier Note: Retain article below for proprietary method specification. Add product attributes, performance characteristics, material standards and descriptions as applicable. Use of such phrases as "or equal" or "or approved equal" or similar phrases may cause

ambiguity in specifications. Such phrases require verification (procedural, legal and regulatory) and assignment of responsibility for determining “or equal” products.

2.01 SELF-ADHERING SHEET FLASHING

Specifier Note: Paragraph below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain or delete paragraph below per project requirements and specifier’s practice.

- A. Manufacturer: Protecto Wrap Co.
  - 1. Contact: 1955 South Cherokee St., Denver, CO 80223; Telephone: (800) 759-9727, (303) 777-3001; Fax: (303) 777-9273; E-mail: [info@protectowrap.com](mailto:info@protectowrap.com); website: [www.protectowrap.com](http://www.protectowrap.com).
- B. Protecto Sill Drainage System (PSDS): Positive sloped, closed-cell foam with a back dam.

Specifier Note: Select accessories below to conform to project requirements; see manufacturer’s SPEC-DATA sheet for recommendations.

2.02 ACCESSORIES

- A. BT Primer: High tack primer.
- B. Protecto-Tak Spray Adhesive: Spray applied high tack primer.
- C. Protecto Sealant 25XL: One-part, moisture cure polyurethane.
- D. PSDS Detail Tape: 60 mil (1.5 mm) unreinforced tape.
- E. BT25XL Building Tape: 25 mil (0.64 mm) self-adhering air/vapor barrier tape.
- F. Protecto Flex: 60 mil (1.5 mm) self-adhering flashing tape.
- G. Dri-Shield Housewrap:
  - 1. Tensile Strength: As follows when tested in accordance with ASTM D822:
    - a. Machine Direction: 50 psi.
    - b. Cross Direction: 46 psi.
  - 2. Air Porosity: As follows when tested in accordance with TAPPI T-460:
    - a. Side A-B: Not less than 9.4 seconds per 100 cm<sup>3</sup>.
    - b. Side B-A: Not less than 9.1 seconds per 100 cm<sup>3</sup>.
  - 3. Water Resistance: As follows when tested in accordance with ASTM D779:
    - a. Side A-B: Not less than 2 hours, 47 minutes, 30 seconds.
    - b. Side B-A: Not less than 1 hour, 52 minutes, 42 seconds.
  - 4. Water Vapor Permeance: 7.5, average, when tested in accordance with ASTM E96.
- H. Dri-Shield Sealing Tape.

2.03 PRODUCT SUBSTITUTIONS

Specifier Note: Edit article below to suit project requirements. If substitutions are permitted, edit text below. Add text to refer to Section 01 25 13 - Product Substitution Procedures.

- A. Substitutions: Substitutions in accordance with Section [01 25 13 - Product Substitution Procedures] [No substitutions permitted] [\_\_\_\_\_].

**PART 3 EXECUTION**

Specifier Note: Paragraph below is an addition to CSI *SectionFormat* and a supplement to MANU-SPEC. Retain or delete paragraph below per project requirements and specifier’s practice.

3.01 MANUFACTURER’S INSTRUCTIONS

- A. Compliance: Comply with manufacturer’s product data, including product technical bulletins, product catalog installation

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instructions and product carton instructions for installation.

**3.02 EXAMINATION**

- A. Site Verification of Conditions: Verify that substrate conditions, which have been previously installed under other sections, are acceptable for product installation in accordance with manufacturer's instructions.

**3.03 PREPARATION**

- A. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

**END OF SECTION**