

CertainTeed Weather Resistant Barrier Three Part Specs: SPECIFICATIONS:

PART 1 – GENERAL

1.1 Summary

A. Includes but not limited to:

1. Furnish and install water resistive barriers on exterior side of exterior wall sheathing as described in Contract Documents.

1.2 References

- A. ASTM E- 1677-95 "Standard Specification for an Air Retarder (AR) Material or System for Low-Rise Framed Building Walls".
- B. ASTM E-96-90 "Standard Test Method for Water Transmission of Materials".
- C. AATCC-127 "Hydrostatic Head Test".
- D. ASTM D-5733-9 Trapezoidal Test.
- E. Air-Ins ASTM E-283 Canadian Air Barrier Materials Standard.
- F. ASTM D-779 Dry Indicator Method, Water Penetration Resistance.

1.3 Submittals

A. Quality Assurance

1. Submit copies of test results showing performance characteristics equaling or exceeding those specified.

PART 2 – PRODUCTS

2.1 Water-Resistive Barrier

- A. Spunbonded Polypropylene Weather Membrane with a microporous coating, Non-woven, Nonperforated.
- B. Performance Characteristics
 1. Gurley Hill [TAPPI T-460] [sec/100cc] >2500.
 2. Water Vapor Transmission 9-15 perms as tested by ASTM E-96-90, Method A.
 3. Water penetration resistance of 865 cm on hydrostatic head in accordance with AATCC-127.
 4. Trapezoidal Test of 30/33 in accordance with ASTM D-5733-9.
 5. Air-Ins < .02L/S·M2 @ 75 PA.
 6. Dry Indicator Method ASTM D-779 = to 24 hour rating.
- C. Approved Manufacturers:
 1. CertainTeed Weather-Protection Membrane by CertainTeed.
 2. Contact Information: 800-233-8990
- D. Manufacturer Warranty:
 1. Lifetime product replacement and/or system warranty.

2.2 Sealing Tape/Fasteners

- A. Approved Tape Manufacturers
 1. CertainTeed Construction Tape, by CertainTeed.
- B. Recommended Sealants against CertainTeed logo side coating
 1. Elastomeric polymer based, butyl rubber, rubber based, meeting ASTM C920 evaluation.
- C. Recommended Fasteners for Wood, Insulated Sheathing Board, Exterior Gypsum
 1. Plastic cap nails.
 2. Plastic cap staples.
- D. Recommended Fasteners for Steel Frame construction
 1. Rust-resistant screws with washers.
- E. Recommended Fastening to Masonry
 1. Sealant: Polyurethane based, meeting ASTM C920 evaluation.
 2. Mechanical: Masonry fastener with washer.

PART 3 – EXECUTION

3.1 Installation

- A. Install in accordance with Manufacturer's instruction over exterior sheathing or open studs. Seal joints and penetrations through water resistive barrier with specified tape and fasteners prior to installation of finish material. Air infiltration barrier shall be air tight and free from holes, tears, and punctures. All window and door penetrations are to be flashed and sealed per ASTM 2112, AMMA guidelines and manufacturer instructions. Cover with exterior cladding within 6 months of installation.