

Section 7 28 0

Water-Resistive Barriers

Part 1 – General

1.1 Summary

- A. Includes but not limited to:
 1. Furnish and install weather barrier on exterior side of exterior wall sheathing as described in Contract Documents

1.2 References

- A. ASTM E-1677; Specification for Air Retarder Material or System for Framed Building Walls
- B. ASTM E96; Standard Test Method for Water Transmission of Materials
- C. AATCC 127; Water Resistance: Hydrostatic Pressure Test
- D. ASTM D 5773; Trapezoidal Tear Test
- E. TAPPI T 460; Air Resistance
- 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 Weather Barrier

- A. Polyester Fiber-reinforced Polypropylene Fabric Coated with a Breathable Polymer Coating
- B. Performance Characteristics
 1. Air Resistance: Gurley Hill [TAPPI T-460] [sec/100cc] >4000
 2. Water Vapor Transmission: >10 perms and < 20 perms when tested in accordance with ASTM E 96 Method A
 3. Water penetration resistance: minimum 900 cm when tested in accordance with AATCC 127-2003
 4. Trapezoidal Test of 13 lbs MD /17 lbs TD in accordance with ASTM D-5773
 5. Dry Indicator Method [ASTM D- 779] = Pass
- C. Approved Manufacturers
 1. Fortress Pro™ Weather Barrier by Raven Industries

2.2 Seaming Tape and Fasteners

- A. Approved Tape Manufacturers
 1. Fortress Pro™ Tape by Raven Industries
- B. Recommended Fasteners for Wood, Insulated Sheathing, Exterior Gypsum
 1. Plastic cap nails
 2. 3/8" or larger crown staples
 3. Rust resistant screw with plastic cap or metal gasketed washer

Part 3 – Execution

3.1 Installation

- A. Install weather barrier over exterior sheathing or open studs prior to installation of windows and doors in accordance with manufacturer's recommendations. Seal penetrations and seams with approved tape. Weather barrier should be air tight and free of punctures, tears, or holes. Flash all windows and doors per AMMA guidelines and manufacturer instructions.