



## WEATHER PROTECTION SYSTEMS FOR RESIDENTIAL & COMMERCIAL APPLICATIONS

### TYPICAL CHARACTERISTICS

Base Weight	(ASTM D-5261)	3.1 osy 21.0 lbs/1000ft <sup>2</sup>
Thickness	(ASTM D-1777)	12.9 mils
Bursting Strength	(ASTM D-3786)	66 psi
Dry Tensile Strength	(ASTM D-5034)	80 lbs md 87 lbs xd
Trapezoidal Tear	(ASTM D-1117/ ASTM D-5733)	30 lbs md 33 lbs xd
Pliability	(AC-38)	Pass
Hydrostatic Pressure Resistance	(AATCC 127-1995)	865 cm
Gurley Hill Porosity	(TAPPI T-460)	> 2500 sec/100cc
Moisture Vapor Transmission Rate	(ASTM E-96-95, procedure A)	11.7 U.S. perms
"Air-Ins" (Air Leakage Test)	(CCMC Technical Guide MF-07273)	.0032L/(S·M <sup>2</sup> ) @ 75 pascals
Water Resistance Test (Boat Test)	(ASTM D-779)	PASS
Water Ponding Test	(CCMC Technical Guide MF-07193)	PASS
Surface Burning Flame Spread Index	(ASTM-E-84-00a)	0
Smoke Developed Index		30

#### ROLL SIZES

3 ft x 100 ft	9 ft x 150 ft
4.5 ft x 200 ft	9 ft x 195 ft
9 ft x 100 ft	10 ft x 100 ft
9.5 ft x 95 ft	10 ft x 150 ft

ICC #ESR-1404, CCMC #12892-R, CCMC #12894-R

*For more information, call 800-284-2780  
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## WEATHER PROTECTION SYSTEMS

### PART 1 – GENERAL

- 1.1 Summary
- A. Includes but not limited to:
    1. Furnish and install weather 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-Resistant 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  $\geq 5$  perms &  $\leq 20$  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·M<sup>2</sup> @ 75 PA
    6. Dry Indicator Method ASTM D-779 = to 24 hour rating.
  - C. Approved Manufacturers
    1. Typar® Weather-Protection Membrane by BBA Fiberweb™
- 2.2 Sealing Tape/Fasteners
- A. Approved Tape Manufacturers
    1. Typar® Contractor Tape, by BBA Fiberweb™
  - B. Recommended Sealants against Typar 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 weather 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.

**Typar® HouseWrap  
helps reduce air leaks  
in a house therefore reduces  
the energy consumption.**

