

CertainTeed

CertaWrap™

Weather Resistant Barrier & Accessories Specification Sheet

CertaWrap Specifications

Base Weight	(ASTM D-5261)	nominal 3.1 osy, 21.0 lbs/1000ft ²
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
Ultraviolet Light Exposure Resistance (UV)		6 months
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 ²) @ 75 pascals
Water Resistance Test (Boat Test)	(ASTM D-779)	Pass
Water Ponding Test	(CCMC Technical Guide MF-07193)	Pass
Surface Burning Characteristics	(ASTM-E-84-00a)	
	Smoke Developed Index	0
	Smoke Developed Index	30

Roll Sizes	3 ft x 100 ft 10 ft x 100 ft	4.5 ft x 200 ft 10 ft x 150 ft	9 ft x 100 ft	9 ft x 150 ft
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ICC #ESR-1404, CCMC #12892-R, CCMC #12884-R

The information contained herein is to the best of our knowledge accurate and reliable and is provided for the user's assessment and verification. Please refer to the actual warranty for further details.

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 ≥ 5 perms & ≤ 20 perms as tested by ASTM E-96-90, Method A
 3. Water penetration resistance of 865cm 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. CertaWrap Weather-Protection Membrane by CertainTeed

2.2 Sealing Tape/Fasteners

- A. Approved Tape Manufacturers
1. CertaTape Construction Tape, by CertainTeed
- B. Recommended Sealants against CertaWrap 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.

CertaFlash BA Typical Characteristics

Adhesive	Butyl Rubber	
Recommended Exposure Limit	180 Days	
Low Temperature Flexibility	(per ASTM D-903)	Pass
Nail Sealability	(per ASTM D-1970)	Pass
Tensile Strength	(per ASTM D-2523)	6 Pass
Roll Sizes	4 in x 75 ft 6 in x 75 ft 9 in x 75 ft	

CertaFlash Flex Typical Characteristics

Adhesive	Butyl Rubber	
Recommended Exposure Limit	90 Days	
Low Temperature Flexibility	(per ASTM D-903)	Pass
Nail Sealability	(per ASTM D-1970)	Pass
Tensile Strength	(per ASTM D-2523)	Pass
Roll Sizes	6 in x 75 ft 9 in x 75 ft	

CertaTape Typical Characteristics

Peel Adhesion (PSTC*-1)	CertaWrap: 35 oz/in Stainless Steel: 75 oz/in
Tensile Strength (PSTC-31)	20 lbs/in
Elongation	136%
Temperature Resistance Minimum Application	0° F (-18° C)
Temperature Maximum use temperature	230° F (110° C)
Roll Dimensions	55 yards x 1 7/8” 16 rolls per carton

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