

CertainTeed  
**CertaWrap**<sup>™</sup>  
P R E M I U M  
Weather Resistant Barrier

## Submittal Form

### Product Data and Submittal

#### Product Description

CertaWrap<sup>™</sup> Weather Resistant Barrier is applied over sheathing and provides an added layer of protection against air and moisture damage.

#### Superior Breathability, Water Resistance, and Vapor Transmission

An effective weather barrier system defends against mold, mildew, and water damage by resisting moisture penetration and air infiltration while allowing water vapor to dissipate.

CertainTeed CertaWrap offers the industry's best combination of all of these properties, helping you defend against moisture and the elements during construction, and preventing moisture build-up from inside and outside the building structure after cladding is applied.

#### Sizes and approximate weights:

- 3' x 100' (300 square feet) 7 lbs/roll
- 3' x 165' (495 square feet) 12 lbs/roll
- 4.5' x 200' (900 square feet) 20 lbs/roll
- 5' x 200' (1,000 square feet) 22 lbs/roll
- 9' x 100' (900 square feet) 21 lbs/roll
- 9' x 150' (1,350 square feet) 31 lbs/roll

#### Thickness:

12.9 mils – all sizes

#### Material:

Spunbonded Polypropylene Weather Membrane with a microporous coating, non-woven, non-perforated.

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**Submitted to:**

**Job Name:**

**Submitted by:**

**Date:**

This Submittal Form is provided to assist you in specifying and selecting the proper weather resistant barrier. For further information or technical assistance, contact your local CertainTeed representative.

<b>Base Weight</b>	(ASTM D-5261)	Nominal 3.1 osy, 21.0 lbs/1,000 ft <sup>2</sup>
<b>Thickness</b>	(ASTM D-1777)	12.9 mls
<b>Bursting Strength</b>	(ASTM D-3786)	66 psi
<b>Dry Tensile Strength</b>	(ASTM D-5034)	80 lbs md, 87 lbs xd
<b>Trapezoidal Tear</b>	(ASTM D1117/ASTM D-5733)	30 lbs md, 33 lbs xd
<b>Pliability</b>	(AC-38)	Pass
<b>Hydrostatic Pressure Resistance</b>	(AATCC 127-1995)	865 cm
<b>Gurley Hill Porosity</b>	(TAPPI T-460)	>2500 sec/100cc
<b>Ultraviolet Light Exposure Resistance (UV)</b>		6 months
<b>Moisture Vapor Transmission Rate</b>	(ASTM E-96-95, procedure A)	11.7 U.S. perms
<b>"Air-Ins" (Air Leakage Test)</b>	(CCMC Technical Guide MF-07273)	.0032L/(S-M <sup>2</sup> ) @ 75 pascals
<b>Water Resistance Test (Boat Test)</b>	(ASTM D-779)	Pass
<b>Water Ponding Test</b>	(CCMC Technical Guide MF-07193)	Pass
<b>Surface Burning Characteristics</b>	(ASTM-E-84-00a)	0 - Smoke Developed Index 30 - Flame Spread Index

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  $\geq$  5 perms &  $\leq$  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-M<sup>2</sup> @ 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.



### CertainTeed Corporation

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