



VERSION 18.3

SPECIFICATION INFORMATION  
"WEATHER BARRIERS"  
DIVISION  
07 25 00

## 1 PRODUCT NAME

**Product Name:** Wraptor® Plus  
Reflective House Wrap

## 2 MANUFACTURER

**ISI BUILDING PRODUCTS**

401 Truck Haven Road, East Peoria Illinois 61611  
Phone: 866.698.6562 / Fax: 309 698-0065 / www.isibp.com

## 3 PRODUCT DESCRIPTION

### 3.1 BASIC USE

Wraptor Plus is a premium cross-woven house wrap designed to protect exterior wall systems from bulk moisture infiltration.

Wraptor Plus also helps increase energy efficiency by reducing the amount of radiant heat and pressure driven air that passes through the building envelope.

Wraptor Plus is breathable and extremely tear resistant.

### 3.2 COMPOSITION & MATERIALS

Wraptor Plus is a micro-perforated, cross-woven polyethylene membrane with an aluminized reflective layer.

### 3.3 SIZE

Standard Sizes: 3' X 100', 9' X 100', 10' X 100'  
3' X 150', 9' X 150', 10' X 150'

### 3.4 WEIGHT

26 lbs. per 1,000 sq. ft.

## 4 TECHNICAL DATA

### 4.1 APPLICABLE STANDARDS

**ASTM E 96** Standard Test Method for Water Vapor Transmission of Materials

**ASTM D 882** Standard Test Method for Tensile Properties of Thin Plastic Sheeting

**ASTM D 1117** Standard Test Method for Evaluating Non-Woven Fabrics

**ASTM D 751** Standard Test Method for Coated Fabrics

**ASTM C 1371** Standard Test for Determination of Emittance of Materials Near Room Temperature Using Portable Emisometers

**ASTM E 84** Standard Test Method for Surface Burning Characteristics of Building Materials

**AATCC 127** Water Penetration Resistance

### 4.2 ENVIRONMENTAL CONSIDERATIONS

Wraptor Plus can be used as a radiant barrier when installed with the foil side facing an air space.

## 5 INSTALLATION

### 5.1 PLACEMENT

Align roll at bottom corner of structure. Roll should be plumb. Bottom edge of roll must:

- Extend over sill plate interface by at least 1" (2" or greater is recommended)
- Extend to bottom of sill plate for slab-on-grade foundations, or,
- Be properly integrated with water drainage components such as kick out flashing or weep screed (for stucco exteriors)

When bottom edge of roll is less than 2" over the sill plate interface, it is recommended to seal or skip-seal at the bottom of the wall.

Unwrap roll starting at corner. Overlap all vertical seams by 6-12". When installing over foam sheathing, fasteners should penetrate structural framing at least 1/2".

Secure Wraptor Plus to the stud or other nail-base material, i.e. wood sheathing. Fasteners should be placed no closer than 6" and no farther than 18" on vertical stud lines. Securing along stud lines will assist in maintaining fastening pattern. Penetrating band board or other horizontal members may be necessary to maintain fastening pattern. Do not install fasteners within 6" of the sills and jamba and within 9" of the head of the window rough openings. Use one or more of the recommended fasteners below for use with Wraptor Plus.

- Plastic caps, staples, nails

Unroll directly over windows and doors. Upper layer of Wraptor Plus should overlap bottom layer by a minimum of 6".

**NOTE:** If windows are already installed, the Wraptor Plus must be integrated with proper shingling with window flashings. If aprons are used, install the Wraptor Plus under the bottom of the sill flashing to maintain proper shingling.

For window and door details refer to the Wraptor Plus Installation Guide available from the manufacturer.

## 5.2 PROTECTION

Wraptor Plus should be covered with the exterior cladding as soon as it is practical (maximum 180 days).

When using Wraptor Plus behind stucco, a lathe system should be employed. In moist or humid areas, check local codes for proper moisture control practices. Some areas may require two layers of house wrap and/or an additional drainage plane behind stucco finishes.

Back-priming of wood or other porous siding is recommended before installing over house wrap.

These are very general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

## 6 AVAILABILITY AND COST

Wraptor Plus is sold through construction supply houses and lumberyards across the United States and Canada.

Wraptor Plus current cost information can be obtained by calling our corporate sales office at 866.698.6562.

## 7 WARRANTY

Additional warranty information can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

## 8 MAINTENANCE

Requires no maintenance once installed.

## 9 TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling ISI Building Products corporate office at 866.698.6562.

## 10 FILING SYSTEMS

Additional information can be obtained by calling our corporate office at 866.698.6562 or online at [www.isibp.com](http://www.isibp.com).

PROPERTIES	TEST METHOD	RESULTS
THICKNESS (NOMINAL)	N/A	.004 IN
WEIGHT (PER MSF)	N/A	26 LBS.
AIR PERMEABILITY	TAPPI T-460	191.6 CTM/FT <sup>2</sup>
WATER PENETRATION RESISTANCE	AATCC 127	>116.8 C, PF H <sup>2</sup> O
WATER VAPOR TRANSMISSION	ASTM E 96A	7 PERMS
TEAR RESISTANCE	ASTM D 1117	67.1 LBF/IN MD X 9.12 LBF/IN CD
BREAKING STRENGTH	ASTM D 882	27.2 LBF/IN (MD) X 69.8 LBF/IN CD
BURSTING STRENGTH	ASTM D 751	96 PSI
EMISSIVITY	ASTM C 1371	.06 - .07
MAXIMUM USE TEMPERATURE	N/A	220° F
MINIMUM USE TEMPERATURE	N/A	-40° F
SURFACE BURNING CHARACTERISTICS	ASTM E 84-03	15 FSI / 40 SDI (CLASS A)

### NOTE:

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