



HOUSE WRAP
DIVISION
07250

1 PRODUCT NAME

Product Name: Wraptor® Plus
Reflective House Wrap

2 MANUFACTURER

ISI BUILDING PRODUCTS

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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 1317 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

PLACEMENT

5.1 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.

5.2 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".

5.3 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 jams 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

5.4 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.

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

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.

6 AVAILABILITY AND COST

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

Wraprot 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.

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.

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 ²
WATER PENETRATION RESISTANCE	AATCC 127	>116.8 C, PF H ² 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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