



VERSION 20.0

WRAPTOR® HP

BUILDING WRAP

WEATHER BARRIERS

DIVISION
072500

PRODUCT NAME

Wraptor® HP Building Wrap

MANUFACTURER

ISI BUILDING PRODUCTS
401 Truck Haven Road
East Peoria, IL 61611
866.698.6562 / www.isibp.com

PRODUCT DESCRIPTION

BASIC USE

Wraptor HP Building Wrap is designed to protect exterior wall systems from bulk moisture infiltration. Wraptor HP is breathable and extremely tear resistant.

COMPOSITION & MATERIALS

Wraptor HP is a polypropylene, non-woven fabric with an advanced breathable coating.

SIZE

Standard Sizes: 3' x 100'; 9' x 100'; 3' x 150'; 9' x 150'

WEIGHT

Approximately 17.2 lbs per 1,000 ft²

TECHNICAL DATA

APPLICABLE STANDARDS

ASTM D 5034 Standard Test Method for Grab Tensile

AATCC 127 Water Penetration Resistance (Hydrostatic Ponding)

TAPPI T-460 Air Porosity

ASTM E 2178 Standard Test Method for Air Permeance of Building Materials

ASTM D 4533 Standard Test Method for Trapezoid Tearing Strength of Geotextiles

ASTM D 3786 Standard Test Method for Bursting Strength of Textile Fabrics-Diaphragm Bursting Strength Tester Method

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

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

INSTALLATION

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 two inches
- Extend to bottom of sill plate for slab-on-grade foundations
- Be properly integrated with water drainage components, such as kick out flashing or weep screed (for stucco exteriors)

If bottom edge of roll is less than two inches 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 a minimum of four inches. Horizontal seams should be overlapped a minimum of six inches. When installing over foam sheathing, fasteners should penetrate structural framing at least a 1/2 inch. Secure Wraptor to the stud or other nail-base material, i.e. wood sheathing using plastic cap fasteners. Securing along stud lines will assist in maintaining fastening pattern. For sixteen-inch OC framing, install fasteners along every other stud. For twenty-four-inch OC framing, install fasteners along every stud. Fasteners should be spaced at a maximum of thirty-two inches vertically. Penetrating band board or other horizontal members may be necessary to maintain fastening pattern. Do not install fasteners within six inches of the sills and jamba and within nine inches of the head of the window rough openings. Unroll directly over window and door rough openings. Upper layer of Wraptor should overlap bottom layer minimum of four inches.

NOTE: If windows are already installed, Wraptor HP must be integrated with proper shingling with window flashings. If aprons are used, install the Wraptor under the bottom of the sill flashing to maintain proper shingling. For window and door details, refer to flashing or window and door manufacturer.

PROTECTION

Wraptor HP should be covered with the exterior cladding as soon as it is practical (maximum one hundred and eighty days). When using Wraptor HP 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 building wrap and/or an additional drainage plane behind stucco finishes. Back-priming of wood or other porous siding is recommended before installing over building wrap.

These are general installation instructions. Instructions on architectural or structural drawings should be reviewed and followed. Detailed installation instructions can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

WARRANTY

Warranty information can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

MAINTENANCE

Requires no maintenance once installed.

TECHNICAL SERVICES

Technical information and detailed test results can be obtained by calling the manufacturer at 866.698.6562.

FILING SYSTEMS

Additional information can be obtained by calling the manufacturer at 866.698.6562 or visiting www.isibp.com.

PROPERTIES TEST PROCEDURE (INDEPENDENT TEST FACILITY)	TEST METHOD APPLICABLE STANDARDS	RESULTS IP UNITS
GRAB TENSILE	ASTM D 5034	WARP 50 lb 222 N WEFT 40 lb 178 N
HYDROSTATIC PONDING	AATCC 127	581 cm
AIR POROSITY	TAPPI T 460	>1800 seconds/100 cc
AIR PERMEANCE	ASTM E 2178	0.0036 L/s/m ²
TRAPEZOIDAL TEAR	ASTM D 4533	WARP 20 lb 89 N WEFT 15 lb 68 N
MULLEN BURST	ASTM D 3786	102 PSI / 703 kPa
MOISTURE VAPOR TRANSMISSION	ASTM E 96	11 perms
SURFACE BURNING CHARACTERISTICS	ASTM E 84	CLASS A
BREATHER TYPE SHEATHING MEMBRANE		CCMC 13292-R
AIR BARRIER MATERIAL		CCMC 13392-R
UV WEATHERING		UV STABILIZER ADDED TO COATING FOR IMPROVED UV RESISTANCE
LOW TEMPERATURE FLEXIBILITY	ASTM D 1970	-50° C PASS

WRAPTOR HP COMPLIES WITH THE FOLLOWING CODES AND/OR STANDARDS:

- 2018, 2015, 2012 INTERNATIONAL BUILDING CODE (IBC)
- 2018, 2015, 2012 INTERNATIONAL RESIDENTIAL CODE (IRC)
- 2018, 2015, 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
- 2015, 2012, 2008 ICC 700 NATIONAL GREEN BUILDING STANDARD (ICC 700-2015, ICC 700-2012 AND ICC 700-2008)
- 2017 FLORIDA BUILDING CODE - BUILDING
- 2017 FLORIDA BUILDING CODE - RESIDENTIAL
- THE REQUIREMENTS OF AC38 FOR WATER-RESISTIVE BARRIERS.



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