YellowSkin Breathable Housewrap

Part of a Complete Moisture Control System

YellowSkin represents good housewrap technology, offering architects and builders a smart housewrap solution-one that delivers the ideal balance between breathability and water protection, so it can be used in any climate and behind most exterior claddings. When integrated into the building envelope, our products help manage and eliminate moisture-related problems-including water-related structural failures, mold and mildew.

The YellowSkin housewrap design has its roots in advanced building science research. The product is a nonwoven with breathable coating on top side, employing an advanced breathable polymer technology. Its design provides a highly reliable air infiltration barrier. So it's right at home in the most rugged jobsite conditions.

Product Description

YellowSkin housewrap is a scientifically advanced housewrap designed for use within a variety of exterior wall assembilies. It provides excellent protection from wall damage due to water intrusion and condensation.

Size and Weight

YellowSkin housewrap is available in 9' *100', 9' *165', 9' *200', 10' *100', 10' *165', 10 *200' rolls etc. Product weight is approximately 95 gsm and 140gsm.

Applicable Standards:

AATCC-127(American Association of Textile Chemists and Colorists) Method 127 Water Resistance: Hydrostatic Pressure Test.

American Society for Testing and Material(ASTM)：

• ASTM D779-Standard Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method.

•ASTM D5034-Standard Test Method for Breaking Strength and Elongation of Textile Fabrics (Grab Test)

•ASTM E84-Standard Test Method for Surface Burning Characteristics of Building Materials

• ASTM E96- Standard Test Method for Water Vapor Transmission of Materials

Limitations: Product should be covered within six months. To ensure maximum exposure

time, store unused product in an area not exposed to sunlight. Inspect product to insure it is free of any protrusion or damage which may detract from the weather-resistive barrier integrity. Holes, tears or punctures should be sealed with Sheathing Tape or Flashing Tape.

Installation: YellowSkin Breathable Housewrap should be installed in accordance with the local applicable building code. Air barriers should be applied horizontally, with the upper layers overlapping the lower layer by a minimum of 6", and all vertical joints should be lapped a minimum of 6". It is recommended to tape all vertical seams with Sheathing Tape or Flashing Tape; all seams must be taped to achieve an air barrier install; consult your design professional where necessary.

Physical Properties: YellowSkin is continually tested in accordance with ASTM procedures. The values shown in Table 1 averages obtained in these tests.

Table 1 - Physical Properties

CHARACTERISTIC	TEST METHOD	RESULTS(95 GSM)	RESULTS(140 GSM)	AC38 Requirement
Moisture Vapor Transmission	ASTM E96 Procedure A	88g/sm/day (12.5perms)AVG	105g/sm/day (15perms)AVG	35g/sm/day (5perms)AVG
Tensile Strength	ASTM D5034	MD- 55lb_f CD- 40lb_f	MD- 75lb_f CD- 72lb_f	MD- 40b_f CD-35lb_f
Tear Strength	ASTM D4533	MD-25lb_f CD- 20lb_f	MD-33lb_f CD- 30lb_f	NA NA
Water Resistance	ASTM D779 AATCC 127 Shower Test	Pass Pass(60 cm min) Pass(>24hours)	Pass Pass(60 cm min) Pass(>24hours)	10 min (minimum) (55cm for 5 hours) NA
Class A Testing Flame Spread Smoke Developed	 ASTM E84 ASTM E84	 Pass Pass	 Pass Pass	Class A 0-25 0-450

Test data is based on an average taken over several production runs and should not be considered or interpreted as minimum or maximum values. Values are typical data and not limiting specs. All values ± 10%. Dry tested conditions.