

# WEATHERSmart<sup>®</sup>

## COMMERCIAL

### Tough Enough for Commercial, Smarter Than the Weather

Fortifiber Building Systems Group<sup>®</sup> raises the bar again with the introduction of WeatherSmart Commercial, the first commercial weather barrier to build upon the advanced building science of

WeatherSmart housewrap. WeatherSmart Commercial delivers a water resistance that outperforms virtually all other commercial grade wraps, while delivering tear resistance that is up to three times that of competing products.

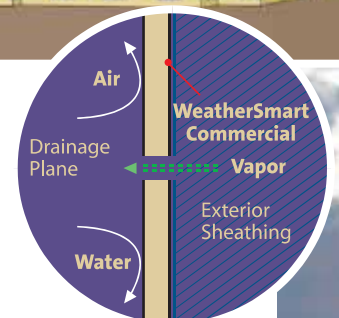
“*WeatherSmart Commercial's water resistance is unmatched by any commercial grade wrap...*”

WeatherSmart Commercial represents the next generation in weather barrier technology, offering architects, specifiers and builders a smart solution that delivers the ideal balance between breathability and water protection, so it can be used in any climate and behind most exterior claddings.

The WeatherSmart Commercial design has its roots in advanced building science research. The product is a nonwoven, non-perforated wrap, employing an advanced breathable polymer technology. Its design provides a highly reliable air infiltration barrier that is incredibly durable and UV stable for up to 12 months of jobsite exposure. So it's right at home in the most rugged conditions.

Unlike other weather barriers, WeatherSmart Commercial is highly resistant to surfactants that can severely reduce water resistance. Surfactants are chemicals that make it easier for water to pass through small holes. Exposure to these chemicals on the jobsite and by building owners in the form of power washing solutions and wood tannins is quite common, so you can count on WeatherSmart Commercial to continue providing protection long after the exterior cladding is installed.

The product is part of a complete Moisture Control System for walls engineered by the Fortifiber Building Systems Group, which has been chosen by builders and architects to protect over *eight million* homes and commercial buildings from the problems caused by water intrusion. When integrated into the building envelope, our products help manage and eliminate moisture-related problems – including water-related structural failures, mold and mildew.



*WeatherSmart Commercial protects against water intrusion and air infiltration from the outside, while allowing moisture vapor to escape from the inside.*

- EXCEEDS WATER RESISTANCE STANDARDS
- MEETS BUILDING SCIENCE RECOMMENDATIONS FOR BREATHABILITY
- OUTSTANDING UV AND SURFACTANT RESISTANCE
- WITHSTANDS THE RIGORS OF THE JOBSITE
- EXCEEDS STRICT AIR INFILTRATION STANDARDS
- DURABLE TEAR RESISTANCE



### Decades of Proven Performance

WeatherSmart Commercial is a product manufactured by the Fortifiber Building Systems Group. With more than a seventy-five year history of proven performance, technical expertise and practical know-how, the company has become a trusted partner to builders, architects and code officials.



**Product Description:** WeatherSmart Commercial is an advanced commercial-grade weather barrier designed for use within a variety of exterior wall assemblies. It provides outstanding protection from wall damage due to water intrusion and condensation.

**Composition:** WeatherSmart Commercial is a nonwoven, non-perforated wrap, employing an advanced breathable polymer technology.

**Size & Weight:** WeatherSmart Commercial is available in 10'x125' and 5'x200' rolls. Product weight is approximately 3.27 lbs/100 sq. ft. Thickness is 25 mils.

**Applicable Standards:** Complies with the International Code Council Evaluation Services Acceptance Criteria for Water Resistive Barriers (AC 38).

Complies as an alternative to the water-resistive barrier specified in Section 1404.2 of the International Building Code®.

Complies as an alternative to the weather-resistant sheathing papers specified in Section R703.2 of the International Residential Building Code®.

ICC-ES Evaluation Report No. 3515.

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

American Society for Testing & Materials (ASTM):

- *ASTM D779 - Standard Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method*
- *ASTM D4533 - 11 Standard Test Method for Trapezoid Tearing Strength of Geotextiles*
- *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*
- *ASTM E2178 - Standard Test Method for Air Permeance of Building Materials*

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

**Limitations:** Product should be covered within 12 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 protrusions or damage which may detract from the weather-resistive barrier integrity. Holes, tears or punctures should be sealed with Moistop® Sealant and Liquid Flashing or Fortifiber® Commercial Tape. This product is not recommended for horizontal, roofing or below grade applications. Ensure that a layer of Super Jumbo Tex® 60 Minute is used to separate WeatherSmart Commercial and Portland cement stucco or mortar used in masonry veneer walls.

**Installation:** WeatherSmart Commercial should be installed in accordance with the local applicable building code. Weather-resistive 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 Fortifiber Commercial Tape; all seams must be taped to achieve an air barrier install; consult your design professional where necessary.

**Availability:** The Fortifiber Building Systems Group's products are distributed nationwide. For product information and pricing, please call a Fortifiber distributor near you. If you need assistance locating a participating distributor, please call our Customer Service Department at 1-800-773-4777.

**Fortifiber Warranty:** This product may be eligible for Fortifiber's FortiShield 15 year warranty when used in conjunction with other Fortifiber® products. Please see our website at [www.fortifiber.com/warranty.htm](http://www.fortifiber.com/warranty.htm) for details.

Fortifiber® Corporation warrants that its products are in compliance with their published specifications and are free from defects in materials and workmanship for a period of two years from the date of purchase. This warranty does not apply to loss due to abuse. Material found to be defective will be replaced at no charge by Fortifiber®, but in no event shall Fortifiber® be liable for any other costs or damages, including any labor costs.

THIS EXPRESS WARRANTY IS GIVEN IN LIEU OF AND EXCLUDES ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Fortifiber's sole obligations under this warranty are as set forth herein. In no event shall Fortifiber be liable for any lost revenue or profits, direct, indirect, special, incidental or consequential damages of any kind.

**SPECIFICATION SUMMARY:** Provides secondary weather protection behind exterior cladding to prevent moisture penetration and condensation in exterior wall assemblies.

**WEATHER-RESISTIVE BARRIER:** WeatherSmart Commercial is a nonwoven, non-perforated wrap, employing an advanced breathable polymer technology.

**REFERENCE SPECIFICATION:** International Code Council Evaluation Services Acceptance Criteria for Water Resistive Barriers (AC 38).

**Table 1- Physical Properties**

| CHARACTERISTIC                                | TEST METHOD                              | RESULTS  | INDUSTRY STANDARD                                  |
|---|--|--|--|
| Moisture Vapor Transmission                   | ASTM E 96 Procedure A (Desiccant Method) | 98 g/sm/day (14 perms)                             | 35 g/sm/day (minimum)                              |
| Air Permeance at 75 Pascals                   | ASTM E2178                               | 0.003 L/s/sqM                                      | <0.02 L/s/sqM                                      |
| Dry Breaking Force                            | ASTM D5034 (Grab Test)                   | MD - 78 lb <sub>f</sub><br>CD - 74 lb <sub>f</sub> | MD - 40 lb <sub>f</sub><br>CD - 35 lb <sub>f</sub> |
| Trapezoidal Tear                              | ASTM D453 3                              | MD - 33 lb <sub>f</sub><br>CD - 34 lb <sub>f</sub> | n/a  |
| Water Resistance "Boat Test" Hydrostatic Head | ASTM D779<br>AATCC 127                   | >60 min<br>1266 cm                                 | 10 min (minimum)<br>55 cm for 5 hours              |
| Flame Spread<br>Smoke Developed               | ASTM E84<br>ASTM E84                     | Class A<br>Pass<br>Pass                            | Class A<br>0-25<br>0-450                           |



**Fortifiber Building Systems Group®**  
Protecting Your World from the Elements®

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