

Moisture Protection, Top to Bottom



Fortiber Building
Systems Group®

Protecting Your World from the Elements®



The building envelope in residential and commercial construction is an interactive system made up of many interdependent parts. Fortifiber designs its products to be specified and installed as a complete Moisture Control System. When properly integrated, they form a comprehensive weatherproofing system to protect against water intrusion and energy draining air leakage.

Fortifiber's record of innovation spans almost seven decades covering millions of homes, resulting in products that have earned a reputation for solving the problems faced by architects and builders in controlling the effects of moisture. This history of proven performance, technical expertise and practical know-how has made us a trusted partner to builders, architects, code officials and homeowners.



One System, One Source, Guaranteed

The Fortifiber Building Systems Group manufactures the most comprehensive moisture control systems available – helping to protect builders from water intrusion and moisture that can damage residential and commercial buildings.

By offering the widest selection of materials and installation techniques on the market, Fortifiber is able to custom fit its solutions to your needs. That means we have a different solution for stucco in San Diego than for vinyl siding in Virginia.

The Science behind our System

Our products incorporate the latest in building science research into their design and manufacturing processes. We work closely with prominent building scientists to identify the combination of materials that provide effective moisture management – carefully matching these product combinations to the design requirements

of individual building applications. This work results in product designs that bring together sound building science principles with building material innovations that deliver exceptionally reliable performance in the real world.

FORESIGHT™ :

A Commitment to Green Building

Environmentally sustainable practices are nothing new to Fortifiber. In fact the ForeSight environmental program began in 1996. The focus of our products has always been to protect the building from the damage that moisture can cause while increasing energy efficiency. Given the industry's renewed attention in this area, we have assembled a comprehensive guide to help you navigate the often confusing green regulations.

Visit fortifiber.com/green to learn more about how each individual product can help you surpass the green goals of your building.

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*Building professionals
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Tex is the industry's most
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weather-resistive barrier*

ASPHALT-SATURATED KRAFT PRODUCTS

Jumbo Tex® and Fortify® Weather-Resistive Barriers

The Jumbo Tex product line has proven its value in the field as an effective weather-resistive barrier behind stucco and brick, as well as fiber cement, wood and vinyl siding. Known for its durability and reliability in wall systems, Jumbo Tex maintains an ideal balance between protection from water intrusion and vapor permeability – even as weather conditions change. The product is an integral component of Fortifiber Building Systems Group's moisture control system for walls.

Jumbo Tex is an asphalt-saturated building paper, so it is a very cost-effective solution. The product retains its weather-resistive properties when exposed to either job site surfactants or wood extracts and tannin derivatives from wood siding. The product uniquely addresses the requirements for weather-resistive barriers, while exceeding all

standards for Grade "D" Building Paper. Building professionals will tell you that Jumbo Tex is the industry's most proven, time-tested weather-resistant barrier.

Jumbo Tex is available in 40" roll widths in three categories of finished products so a solution can be specified for virtually any building requirement. When the code requires two layers of Grade "D" building paper, Two-Ply Jumbo Tex does the job in one pass, saving costly labor dollars.

Fortify extends the protection with a 54" roll width. Better still, Fortify provides comparable protection from air infiltration as the leading housewrap. When installed in an air retarder fashion, with seams lapped and taped, using Fortifiber Sheathing Tape, Fortify blocks air movement through gaps in the wall assembly. Fortify is the only asphalt-saturated weather-resistive barrier tested to meet stringent ASTM requirements for air retarder material. No other weather-resistive barrier can match Fortify's

ability to protect moisture-sensitive substrates and framing, while allowing exterior walls to breathe. You'll breathe easy too, when you see Fortify's low price.

Jumbo Tex and Fortify products exceed Federal Specification UU-B-790a, Type 1, Grade D, Style 2 criteria and comply with the 2006 International Building Code® (IBC), the 2006 International Residential Code® (IRC), and International Code Council ESR-1027.

Two-Ply Weather Tex™ Hybrid Weather-Resistive Barriers

Today's construction practices require new, innovative product solutions to help protect homes and commercial buildings from the effects of water intrusion. Weather Tex is the industry's first hybrid weather-resistive barrier – combining the time-tested water resistance of Super Jumbo Tex 60 Minute building paper with WeatherSmart®, our award-winning, advanced technology polymeric housewrap solution. The product represents the industry's most formidable combination of strength, durability, breathability and moisture protection.

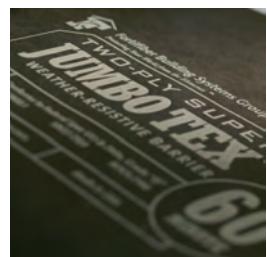
The Jumbo Tex line has been the industry standard in asphalt saturated kraft for over fifty years, having pioneered the model for how WRBs should perform in a wall system. Because it is manufactured from a base stock of kraft liner-board, Jumbo Tex is far less brittle than felt – so it is less likely to tear during installations around corners and in tight conditions.

WeatherSmart 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 weather-resistive barrier that is resistant to surfactants which can severely reduce water resistance.

Weather Tex combines these two great products to deliver outstanding water holdout of 2 hours, without having to sacrifice a balanced perm rating. The two layer design provides what most building science experts consider the ideal drainage plane, without the added labor of two applications.

Available in 40" x 48.6' rolls (covers 162 sq. ft.)

| Performance Properties: WEATHER-RESISTIVE BARRIERS | | | | | |
|--|--------------------------------|--|--------------------------------------|--------------------------------------|-----------------------------|
| | Water Resistance ASTM D-779 | Water Vapor Permeance ASTM F-1249/ASTM E-96 | Dry Tensile MD (lb/in) ASTM D-828 | Dry Tensile CD (lb/in) ASTM D-828 | Major Compliance Listing |
| Jumbo Tex | 20 minutes | 200 grams/29 perms (MVT) | 70 | 29 | |
| Jumbo Tex HD 30 Minute | 30 minutes | 170 grams/24 perms (MVT) | 68 | 31 | |
| Super Jumbo Tex 60 Minute | 60 minutes | 75 grams/11 perms (MVT) | 70 | 60 | |
| Two-Ply Jumbo Tex | 110 minutes | 95 grams/14 perms (MVT) | 144 | 58 | |
| Two-Ply Jumbo Tex HD 30 Minute | 133 minutes | 103 grams/15 perms (MVT) | 144 | 58 | |
| Two-Ply Super Jumbo Tex 60 Minute | 150 minutes | 67 grams/10 perms (MVT) | 160 | 110 | |
| Fortify | 60 minutes | 75 grams/11 perms (MVT) | 70 | 60 | |
| WeatherTex | 145 minutes | 52 grams/7.5 perms (MVT) | 70 | 60 | |





The WeatherSmart design provides architects and builders with the ideal level of vapor permeability.

HOUSEWRAP PRODUCTS

WeatherSmart®

WeatherSmart represents the next generation in housewrap technology, offering architects, specifiers, builders and homeowners an intelligent housewrap solution – one that delivers the ideal balance between water intrusion protection and moisture vapor breathability. It can be used in any climate and behind most exterior claddings. The product is an integral part of Fortifiber Building Systems Group's moisture control system for walls.

WeatherSmart was developed to meet the needs of building professionals who want the maximum flexibility in the selection of building materials and homeowners looking to increase the energy efficiency of their homes. The product provides architects and builders with the ideal level of vapor permeability, so you have the flexibility to specify the product for any North American hygrothermic region and virtually all building envelope designs.

WeatherSmart is a polymeric weather-resistive barrier, utilizing a high-strength nonwoven substrate and a monolithic non-perforated coating of smart polymers. Its unique construction protects against the elements – while being extraordinarily durable and UV stable. So it's right at home in the most rugged jobsite conditions. The WeatherSmart design emerged from advanced building science research – made possible by recent innovations in polymer science. WeatherSmart's breathable polymer layer offers a number of key advantages that many other housewrap products can't match. WeatherSmart delivers balanced moisture control in any weather condition, regardless of humidity levels and temperatures. The product eliminates the need for perforations or micropores, the methods other housewraps use to facilitate the movement of water vapor out of the building envelope.

The result is a housewrap solution that adapts to changing weather conditions, while resisting the effects of jobsite surfactants that can cause other housewraps to fail. International Code Council ESR-1027. Available in 3', 9' and 10' rolls x 100 lineal feet; 3' rolls x 165 lineal feet; 4' rolls x 200 lineal feet; and 9' rolls x 150 lineal feet.

WOVEN HOUSEWRAPS

FortiWrap™ & PlyDry™

FortiWrap is used nationwide by builders who are looking for a strong, tear-resistant housewrap at an affordable price. The cross-woven polypropylene fabric design gives the product high tensile strength – resulting in greater tear resistance from wind – combined with a UV-resistant polyolefin coating that gives you up to 120 days of job site exposure.

PlyDry is a code compliant, dependable tear-resistant housewrap that is very cost-competitive. Its cross-woven polypropylene fabric design, similar to that of FortiWrap, provides dependable tensile strength to protect the product from weather exposure on jobsites. The UV-resistant polyolefin coating offers 120 days of job site exposure.

Labor is one of the most significant costs in any building, and both products help reduce install time so you can get the house closed in fast.

Locating studs for proper nailing is a breeze thanks to the translucent coloring. These time saving features combined with a competitive price help you where it counts most – the bottom line.



Both housewraps employ a uniform distribution of micro-perforations to provide the ideal balance between breathability and bulk water holdout. When integrated into the building envelope as part of a complete moisture control system, they help eliminate moisture-related problems – including water-related structural failures, mold and mildew. Both products are available in 9' and 10' wide rolls in 100', 150' and 195' lengths.

Fortifiber Sheathing Tape

Designed for maximum adhesion to all of Fortifiber's weather-resistive barrier technologies, Fortifiber Sheathing Tape provides complete protection against air and water intrusion. The product's specially formulated adhesive offers outstanding seam and lap sealing. Rolls come 1 7/8" wide x 165 ln. ft.



Performance Properties: HOUSEWRAP PRODUCTS

| | Water Resistance ASTM D-779 | Water Vapor Permeance ASTM F-1249/ASTM E-96 | Dry Tensile MD (lb/in) ASTM D-828 | Dry Tensile CD (lb/in) ASTM D-828 | Major Compliance Listing |
|--------------|--------------------------------|--|--------------------------------------|--------------------------------------|-----------------------------|
| WeatherSmart | 65 minutes | 56 grams/8 perms (MVT) | 45 ¹ | 40 ¹ | |
| FortiWrap | 24 minutes | 63 grams/9 perms (MVT) | 64 | 33 | |
| PlyDry | 24 minutes | 44 grams/6.3 perms (MVT) | 62 | 28 | ESR-1027 |

¹ ASTM D-5034 (LBF)





Regardless of climate and jobsite conditions, we have high-performance flashing products to meet your requirements

FLASHING PRODUCTS

Flashing Products

Flashing products developed by the Fortifiber Building Systems Group have set the industry standard for materials that effectively protect windows, doors and other areas of penetration from water intrusion into wall systems. Regardless of jobsite conditions — or whether you need mechanically-attached or self-adhesive options— we have high-performance flashing products that meet your requirements.

SELF-ADHESIVE

Moistop E-Z Seal® Flashing

Moistop E-Z Seal Flashing is the best self-adhesive flashing product available on the market today. The product's extremely aggressive 3" adhesive strip makes integration with a weather- resistive barrier a snap. This aggressive adhesive ensures solid integration of windows and doors with the weather-resistive barrier. Its unique construction ensures that the product lies flat – while preventing tears in the toughest jobsite

conditions. Complies with ASTM E-2112. Available in 4", 6", 9" and 12" wide rolls x75 lineal feet.

SELF-ADHESIVE

FortiFlash® Waterproof Flashing (25 & 40 mil)

FortiFlash is a premium self-adhesive waterproof flashing membrane for windows. It is also ideally suited for flashing non-roofing horizontal conditions such as pot shelves, parapets, sill pans and recessed windows. Reinforced by a strong polyethylene film, FortiFlash can be worked securely around protrusions and into the tightest corners without delaminating or tearing.

Its uniquely formulated, self-sealing rubberized asphalt core makes it a perfect choice for sealing around common through-wall penetrations. The composite 25 mil flashing makes it the preferred product for working in tight corners, while the 40 mil flashing is best suited for those applications where a thicker product is desired.

Both thicknesses have been tested to and exceed the rigid performance criteria set by ICC AC 148. International Code Council ESR-1591. FortiFlash is available in 4", 6", 9", 12", 18" and 36" wide rolls x 75 lineal feet.

MECHANICALLY-ATTACHED *Moistop neXT®*

Moistop neXT is an ultra-high performance, mechanically attached flashing solution developed for builders who need a product to withstand the most punishing weather conditions. Comprised of two layers of laminated polyolefin membranes reinforced with a highly durable core of fiberglass scrim, Moistop neXT provides a virtually impenetrable barrier against wind-driven rain. Complies with ASTM E-2112. Available in 6", 9" and 12" wide rolls x 200 lineal feet.

MECHANICALLY-ATTACHED *Moistop PF® Flashing*

Moistop PF flashing is a superior mechanically attached flexible flashing product engineered to offer the perfect balance between extraordinary durability and cost-effectiveness. Manufactured from a multi-layer composite employing heavy-duty polypropylene fabric, and coated on both sides with ultraviolet-resistant polypropylene,

Moistop PF resists cracking and curling – both before and after installation. Complies with ASTM E-2112. Available in 6", 9", 12" and 18" wide rolls x 300 lineal feet.



Moistop® Sealant

Moistop Sealant is an integral component of Fortifiber's moisture control system for walls, and is compatible with all of Fortifiber's products and a wide range of building materials. It is the ideal choice for use in window and door installations. Exceeds ASTM C 920 and AAMA 808.3-92. Available in 10.1 fl. oz. cartridges and 20 fl. oz. sausages.



Moistop Corner Shield®

Moistop Corner Shield provides a quick, tough and economical way to protect the most vulnerable part of a window installation – the lower corners. It is designed to integrate with flexible flashing, sealant and weather-resistive barriers to form a solid drainage plane. The product is pre-formed with welded seams to conform to the window corner and provide a waterproof shield. It installs with just staples and sealant in any sized window.



Performance Properties: FLASHING PRODUCTS

| | Water Resistance ASTM D-779 | Water Vapor Permeance ASTM F-1249/ASTM E-96 | Dry Tensile MD (lb ^f /in) | Dry Tensile CD (lb ^f /in) | Major Compliance Listing |
|---------------------------|--------------------------------|--|---|---|-----------------------------|
| Moistop E-Z Seal Flashing | 150 hours | Less than .1 perms | 30 ¹ | 35 ¹ | ASTM E-2112 |
| FortiFlash (25 mil) | > 200 hours | Less than .08 perms | 20 ¹ | 29 ¹ | ESR 1591 |
| FortiFlash (40 mil) | > 200 hours | Less than .05 perms | 71 ² | 41 ² | ESR 1591 |
| Moistop neXT Flashing | 150 hours | Less than .05 perms | 35 ³ | 27 ³ | ASTM E-2112 |
| Moistop PF Flashing | > 130 hours | Less than .02 perms | 107 ³ | 76 ³ | ASTM E-2112 |

¹ ASTM D-412

² ASTM D-828

³ ASTM D-882

CONCRETE PRODUCTS

Moistop Ultra® 15, 10 & 6

The Moistop Ultra line of products provides the newest in technology to help protect slabs and finished floor coverings from the harmful effects of moisture. All three products provide an incredibly low vapor perm rating. The products are polyolefin membranes that offer exceptional puncture and tear resistance. This class of high performance products was specifically designed for underslab applications. *Moistop® Tape* and *The Boot®* are used to easily complete the application.

Moistop Ultra 10 and Moistop Ultra 15 provide the highest levels of jobsite durability and protection for the most demanding commercial jobsites. Moistop Ultra 6 is designed specifically for light commercial or residential construction.

The product is available in the following sizes:

Moistop Ultra 15 (Class A) 144" x 120 ln. ft.

Moistop Ultra 10 (Class A) 180" x 200 ln. ft.

Moistop Ultra 6 (Class B) 240" x 150 ln. ft.

Moistop® Underslab

Moistop Underslab is an effective and economical underslab vapor retarder for sites with minimal moisture conditions. Approximately 12 mils thick, it is constructed from a multi-layer composite employing polyethylene and fiberglass reinforcement for enhanced tear strength and puncture resistance.

Moistop® Tape

Moistop Tape's excellent adhesion assures tight joints. It meets the vapor retarding requirements of ASTM E-1745. Available in 4" wide rolls x 108 lineal feet.

The Boot®

The Boot's unique design makes quick work of sealing around pipes, conduit and other penetrations up to 12".

HydrAdsorb® Concrete Curing Blanket

HydrAdsorb is our concrete curing solution that supports the uniform wet curing of concrete in a very efficient and cost effective manner. By holding the moisture in the slab over a longer time period, HydrAdsorb slows curing and contributes to the increased strength of the finished concrete in elevated decks and slabs found in highway, general engineering, institutional and building construction.

The product consists of a high strength, nonwoven polypropylene geotextile fabric modified with a UV inhibitor additive for long-term protection against sunlight degradation. The micro-perforations in the product facilitate the rewetting of the concrete surface through the material without the need for removal and re-laying of the membrane.

Available in 10' x 200' rolls. Up to 20' widths available on special order.

Construction & Agriculture Poly Film

Fortifiber C&A film has a wide range of uses and applications. Available in a range of thickness from 1 to 10 mils and color options of white, black or clear, we can engineer a film to meet your specific needs or size requirements.

ROOFING PRODUCTS

Catwalk™ 30

Catwalk 30 is a high strength synthetic roofing underlayment that provides outstanding protection against water intrusion and outperforms 30 lb. roofing felt in virtually every dimension.

Engineered from a high strength polypropylene fabric and coated on both sides with surface-enhanced polymeric coatings, Catwalk 30 provides exceptional strength and tear resistance. So it's equipped to withstand the worst jobsite conditions. Yet, at 33 lbs. per 10 square roll, it's much lighter than roofing felt – so it can be handled and installed easily. The product's textured reflective surface reduces heat absorption, making it cooler for installers.

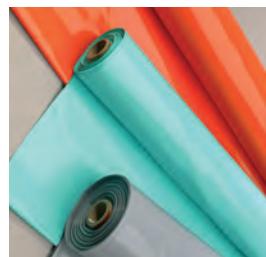
Unlike roofing felt, Catwalk 30 lies flat and straight. It's easy to work around corners and through valleys without cracking. Exposure to rain doesn't result in curls, wrinkles or puckers, nor do low temperatures cause the product to become brittle or crack. The advanced polymer coating can be exposed for up to six months, so you can use the product with confidence to dry-in a building.

The product's unique nonslip surface provides sure-footed traction during application – whether the conditions are wet or dry. This distinctive surface also helps ensure that roofing materials that are staged on the roof stay there, even in extremely wet conditions.

After a succession of devastating hurricanes hit Florida in 2004, the State of Florida accelerated efforts to strengthen their residential building codes and improve the survivability of structures that find themselves in their path. Dade County went even further, by establishing stringent criteria that key building materials had to pass in order to be used there. CatWalk 30 carries their NOA number 07-0515.02



The product is available in 40" X 300' and 48" X 250' (1,000 sq. ft. each) with 30 rolls per pallet. Catwalk 30 is approved by the International Code Council Evaluation Services ESR-1204.



Performance Properties: CONCRETE PRODUCTS

| | Moisture Protection ASTM E-154, Section 7 | Dry Tensile MD (lb f/in) ASTM D-882 | Dry Tensile CD (lb f/in) ASTM D-882 | Puncture Resistance |
|-------------------|--|--|--|------------------------|
| Moistop Ultra 15 | .02 Perms | 70 | 70 | 4200 grams |
| Moistop Ultra 10 | .02 Perms | 50 | 50 | 3200 grams |
| Moistop Ultra 6 | .02 Perms | 32 | 32 | 2000 grams |
| Moistop Underslab | <.30 Perms | 71 ¹ | 41 ¹ | N/A |

Performance Properties: ROOFING PRODUCTS

| | Water Vapor Transmission ASTM E-96 (A) | Accelerated Aging AC-48, Section 4.7 | Ultraviolet Exposure AC-48, Section 4.8 | Water Ponding AC-48 | Tensile Strength ASTM D-882 |
|------------|---|---|--|------------------------|------------------------------------|
| CatWalk 30 | 4 g/sm/day 0.6 perms (MVT) | Pass | Pass | Pass | MD-175 lb./inch CD-125 lb./inch |

¹ ASTM D-828



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