

FORTIFLASH®

WATERPROOF FLASHING MEMBRANE

The proper flashing of windows, doors and other fenestrations helps insure against owner warranty claims due to water intrusion, as well as averts potential exposure to litigation and safeguards builders' reputations.

The FortiFlash waterproof flashing membrane is part of a complete Moisture Control System for walls engineered by the

Fortifiber Building Systems Group®. When integrated into the building envelope, our solutions help manage and eliminate moisture-related problems including water-related structural failures, mold and mildew. The design of FortiFlash reflects our commitment to building a product that meets all ASTM, AAMA and field standards.

“*Engineered to deliver lasting protection against water intrusion in the most demanding environmental conditions.*”

Premium Self-Adhesive Flashing Membrane

FortiFlash is engineered to deliver lasting protection against water intrusion in the most demanding environmental conditions. It is the 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. Its strong adhesion makes it a perfect choice for sealing around common through-wall penetrations such as hose bibs, vents, electrical boxes and exterior lights. Yet, its price makes FortiFlash the price/performance solution for the most challenging construction requirements.

Reinforced by an incredibly strong cross-laminated high-density polyethylene film, FortiFlash can be installed around protrusions and into the tightest corners without delaminating or tearing. Its self-sealing rubberized asphalt core stays in place in the most punishing weather conditions.

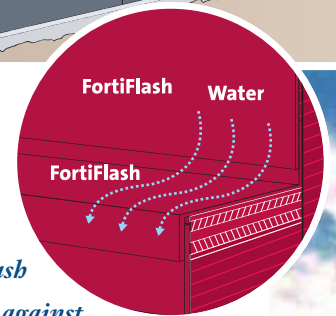
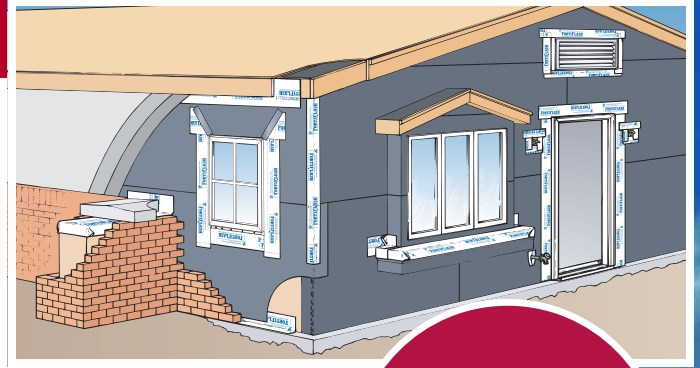
FortiFlash is available in 4, 6, 9, 12, 18 and 36 inch widths, in both 25 and 40 mil thicknesses – so you can protect both vertical and non-roof horizontal conditions. FortiFlash 25 is ideal for working in tight corners, while FortiFlash 40 is suited for those situations where a thicker product is required.

Part of a Complete Moisture Control Solution

FortiFlash integrates with Fortifiber's complete system of flashing products and accessories, Moistop® Sealant and our entire line of weather-resistive barriers to form a comprehensive weatherization system that protects homes and buildings from moisture intrusion problems. Designed through the use of building science and perfected in the field, this is the only complete moisture control system available in the industry from a single source. Comprised of compatible materials, the system takes the guesswork out of selecting flashing, sealing materials, and weather-resistive barriers that work together and deliver performance you can count on.

Decades of Proven Performance

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



FortiFlash protects against water intrusion in horizontal applications such as pot shelves, parapets and recessed windows.

- **MAXIMUM WATER AND LEAK PROTECTION**
- **SELF-ADHESIVE INSTALLATION**
- **SELF-SEALING CORE**
- **MOLD RESISTANT**
- **PART OF A COMPLETE MOISTURE CONTROL SYSTEM**



Product Description: FortiFlash is a premium 25 mil and 40 mil self-adhesive waterproof membrane designed for use as a concealed flashing in frame construction where a waterproof membrane is required.

Composition: FortiFlash is composed of a self-sealing SBS modified asphalt core laminated to a cross-laminated, high-density polyethylene film reinforcement with a siliconized paper release sheet.

Size & Weight: FortiFlash is supplied in convenient 4", 6", 9", 12", 18" and 36" widths by 75' long rolls. 25 mil weight is approximately 3.8 (4"), 5.7 (6"), 8.5 (9"), 11.4 (12"), 15 (18") and 30 (36") lbs. per roll; 40 mil weight is approximately 5.7 (4"), 8.6 (6"), 13 (9"), 17 (12"), 26 (18") and 36 (36") lbs. per roll.

Applicable Standards: Complies with the International Code Council Evaluation Services Acceptance Criteria for Flashing Materials (AC 148).

Complies to the flexible flashing specified in Section 1405.3 of the 2003 International Building Code®, Section R703.8 of the International Residential Code® and Section 1402.2 of the 1997 Uniform Building Code™.

ICC Evaluation Services Report No. 1591.

American Society for Testing & Materials (ASTM):

- ASTM D-146 - Standard Test Methods for Sampling and Testing Bitumen-Saturated Felts and Woven Fabrics for Roofing and Waterproofing
- ASTM D-412 - Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D-779 - Standard Test Method for Water Resistance of Paper, Paperboard, and Other Sheet Materials by the Dry Indicator Method
- ASTM D-903 - Peel or Stripping Strength of Adhesive Bonds
- ASTM E-96 - Water Vapor Transmission of Materials
- ASTM E-154 - Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover
- ASTM G-21 - Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi

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

Limitations: For optimum adhesion, FortiFlash should be applied at temperatures between 40° F (4.4° C) and 120° F (48.9° C). Product should be covered as soon as possible (exposure not to exceed 45 days). Inspect product to ensure it is free of any damage which may compromise its moisture-resistive properties. FortiFlash is not compatible with EPDM or flexible (plasticized) Polyvinyl Chloride (PVC) based membranes. Where installed horizontally or with a slope of less than 60° do not use fasteners. FortiFlash also is not compatible with some sealants. Consult with sealant manufacturer for compatibility information. Direct exposure

of sealant to the adhesive side of FortiFlash can be detrimental if the amount of sealant exceeds what is specified in Fortifiber's installation guide. Please follow installation guide recommendations regarding location and amount of sealant to be used. Fortifiber strongly recommends against the practice of using a "knockdown bead of sealant," or "buttering the flange" with sealant, because this amount of sealant is excessive and unnecessary.

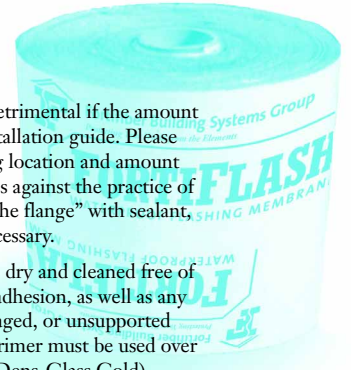
Installation: Prior to installation, surfaces should be dry and cleaned free of any dirt or other substances that may interfere with adhesion, as well as any sharp protrusions. Surfaces shall have no voids, damaged, or unsupported areas. Repair surfaces before installing membrane. Primer must be used over some substrates including gypsum board (including Dens-Glass Gold), concrete and masonry. For all other substrates field test a small sample of FortiFlash prior to application. If adhesion is inadequate, apply 3M Super 77® Spray Adhesive according to the manufacturer's application instructions. Areas not covered with membrane the same day must be re-primed.

To apply FortiFlash, peel away the release paper and press membrane firmly over substrate, applying sufficient pressure with a metal or wood roller along the entire membrane to ensure a continuous seal. For a complete set of installation instructions, visit www.fortifiber.com or request a copy from Technical Assistance at 1-800-773-4777.

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.

FortiShield Warranty: FortiFlash is expressly warranted for a period of ten (10) years from purchase that it will perform to Fortifiber's published specifications when installed according to Fortifiber's installation procedures and accepted industry standards. Installation must use Moistop® Sealant and one of the following Fortifiber brand weather-resistive barrier products (WeatherSmart®, Weather Tex®, Jumbo Tex®, or Fortify®) in a properly designed and constructed wall system. In the event of a warranty claim, Fortifiber will pay the cost of materials and labor to correct problems found to be caused solely by the failure of Fortifiber's product as expressly warranted above.

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. If the installation or use of this product does not qualify for the FortiShield Warranty, Fortifiber's standard warranty will apply. See fortifiber.com/warranty.htm for details.



SPECIFICATION SUMMARY: Provides self-adhesive waterproofing membrane for sealing vertical and non-roofing horizontal conditions, such as sills, pans, shelves, through-wall penetrations and gaps.

WATERPROOF FLASHING MEMBRANE: Fortifiber/FortiFlash self-adhesive, self-sealing SBS modified asphalt waterproof membrane laminated to high density, cross-laminated polyethylene film reinforcement.

REFERENCE SPECIFICATION: International Code Council AC 148.

Table 1- Physical Properties

CHARACTERISTIC	TEST METHOD	25 MIL	40 MIL
Application Temperature	–	40°F to 120°F (4.4°C to 48.9°C)	40°F to 120°F (4.4°C to 48.9°C)
Service Temperature	–	-40°F to 158°F (-40°C to 70°C)	-40°F to 158°F (-40°C to 70°C)
Lap Adhesion	ASTM D-903	9.3 lb./inch	10 lb./inch
Mold Growth	ASTM G-21	0 Fungal Growth	n/a
Puncture Resistance	ASTM E-154	40 lbf.	40 lbf.
Water Vapor Permeance	ASTM E-96	< 0.08 perms	< 0.05 perms
Water Resistance	ASTM D-779	>200 hours	>200 hours



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



Call 1-800-773-4777 or 1-775-333-6400 for sales and technical assistance. On the Internet visit www.fortifiber.com.

© 2009 Fortifiber Building Systems Group. Fortifiber®, Fortify®, FortiFlash®, FortiShield®, Jumbo Tex®, Moistop® Sealant, Protecting Your World from the Elements®, WeatherSmart® and Weather Tex® are trademarks of Fortifiber Corporation. Super 77 Spray Adhesive is a registered trademark of 3M Corporation. 07/09