

COMMERCIAL FORTIFLASH® WATERPROOF FLASHING MEMBRANE

Given the rigorous demands of commercial construction, builders can't afford to take chances with materials that may not live up to extreme "in service" conditions. That is why Fortifiber introduces the premier self-adhesive flashing for commercial applications — FortiFlash Commercial.

FortiFlash Commercial sets a new standard for waterproof flashing membranes. Designed for "in service" applications up to 176°F (80°C), FortiFlash Commercial meets the highest temperature

requirements of the American Architectural Manufacturers Association 711 standard for self-adhesive flashing. It 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.

“*FortiFlash Commercial's high-temperature formulation meets the highest standard for self-adhesive flashing.*”

The design of FortiFlash Commercial reflects our commitment to building a product that meets all ASTM, AAMA and field standards.

Premium Self-Adhesive Flashing Membrane

FortiFlash Commercial 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.

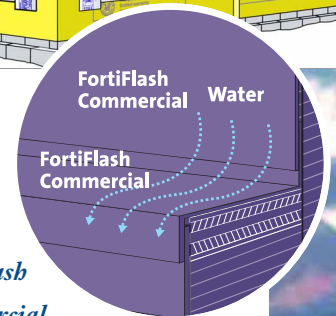
Reinforced by an incredibly strong cross-laminated high-density polyethylene film, FortiFlash Commercial can be installed around protrusions and into the tightest corners without delaminating or tearing. Its self-sealing rubberized asphalt core stays in place in the most punishing weather conditions. It is available in 6, 9, 12, and 18 inch widths.

Part of a Complete Moisture Control Solution

FortiFlash Commercial integrates with Fortifiber's complete system of flashing products and accessories, including Moistop® Sealant and WeatherSmart® Commercial, all designed to meet the rigorous needs of commercial architects and contractors. 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 Commercial 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 Commercial protects against water intrusion in horizontal applications such as pot shelves, parapets and recessed windows.

- HIGH-TEMPERATURE FORMULATION
- MAXIMUM WATER AND LEAK PROTECTION
- SELF-ADHESIVE INSTALLATION
- EXCEEDS ASTM & AAMA STANDARDS
- PART OF A COMPLETE MOISTURE CONTROL SYSTEM



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

Composition: FortiFlash Commercial 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 Commercial is supplied in convenient 6", 9", 12", and 18" widths by 75' long rolls. Weight is approximately 8.6 (6"), 13 (9"), 17 (12"), and 26 (18") 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 International Building Code®, Section R703.8 of the International Residential Code® and Section 1402.2 of the Uniform Building Code™.

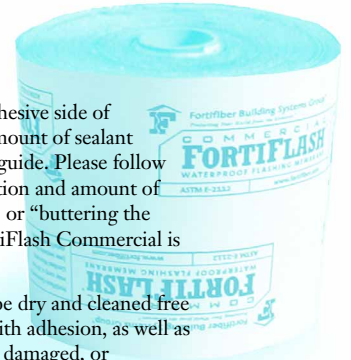
American Architectural Manufacturers Association Specification 711, Level 3

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

Physical Properties: FortiFlash Commercial 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 Commercial should be applied at temperatures above 40° F (4.4° 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 Commercial is not compatible with EPDM or flexible (plasticized) PVC-based membranes and some sealants. Where installed horizontally or with a slope of less than 60° do not use fasteners. Moistop® Sealant adheres to and is compatible with FortiFlash Commercial, as is Fortifiber's full line of flashing products and weather-resistive barriers. Test for compatibility before using any



other sealants. Direct exposure of sealant to the adhesive side of FortiFlash Commercial 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; avoid using a "knockdown bead" or "buttering the flange." Maximum "in service" temperature of FortiFlash Commercial is 176°F (80°C).

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 Commercial 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 Commercial, 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.

Fortifiber Warranty: 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.

This product may be eligible for Fortifiber's FortiShield 10 year warranty when used in conjunction with other Fortifiber products. Please see our website at www.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 Commercial 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	RESULTS
Application Temperature	—	40°F to 120°F (4.4°C to 48.9°C)
Service Temperature	—	-40°F to 176°F (-40°C to 80°C)
Lap Adhesion	ASTM D-903	8.5 lb. ^f /inch
Puncture Resistance	ASTM E-154	40 lbf.
Water Vapor Permeance	ASTM E-96	< 0.05 perms
Water Resistance	ASTM D-779	>200 hours



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



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AMERICAN
ARCHITECTURAL
MANUFACTURERS
ASSOCIATION

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

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