



FlashSealR® Foam Flashing Tape

Product Data Sheet



Description

Owens Corning™ FlashSealR® Foam Flashing Tape is a durable, flexible and tear-resistant self-adhering flashing tape recommended for use with FOAMULAR® Extruded Polystyrene (XPS) Sheathing products in residential and commercial construction applications to seal around window and door openings. The aggressive, pressure-sensitive acrylic adhesive provides excellent adhesion to FOAMULAR® 150 or 250 Insulation, FOAMULAR® Insulated Sheathing, or FOAMULAR® PROPINK® Sheathing and other common building substrates including OSB, plywood, vinyl and spunbonded polyolefin housewrap.

FlashSealR® Foam Flashing Tape helps provide effective protection against air infiltration and water penetration and can be applied over a wide range of temperatures. FlashSealR® Foam Flashing Tape is self-adhering and cold applied. No special adhesives

or primers are needed for most applications. For best adhesion, the tape should be applied over the foam sheathing at the time the sheathing is installed.

Resistance to air intrusion enhances the thermal and moisture resistance of buildings by minimizing intrusion of unconditioned, moisture laden air into the wall assembly. Acting as a water resistive barrier, it provides a secondary layer of external moisture resistance behind the cladding to protect the building.

Key Features

- Thin and flexible to seal around penetrations and uneven surfaces.
- Highly aggressive adhesive for long term adhesion to foam sheathing and other common building substrates.
- Meets the requirements of AAMA 711-07 and all applicable building codes.
- Can be applied at low temperatures, even down to 0°F.
- Remains flexible and elastomeric, allowing it to move with the building components.
- Used in conjunction with FOAMULAR® XPS and JointSealR® Foam Joint Tape, FlashSealR® Foam Flashing Tape provides all of your critical wall system performance qualities:
 - Continuous Insulation
 - Thermal Efficiency
 - Reduces Air and Water Intrusion

- Seals around nails and staples to prevent moisture intrusion
- Compatible with many building sealants
- Split release liner for ease of installation
- Available in three widths:
 - 4" (101.6 mm)
 - 6" (152.4 mm)
 - 9" (228.6 mm) x 90' (22.8 m)

Product Applications

- Recommended for use in vertical wall applications.
- Recommended for sealing the joints around sills, jambs and heads of rectangular windows and doors adjacent to FOAMULAR® 150 Insulation, FOAMULAR® 250 Insulation, FOAMULAR® Insulated Sheathing, or FOAMULAR® PROPINK® Sheathing.
- Recommended for sealing around wall protrusions and interruptions.

Technical Information

- Meets the minimum requirements for a Type A, Class 3 self adhering flashing tape when tested in accordance with AAMA 711-07, American Architectural Manufacturers Association Voluntary Specification for Self-Adhering Flashing Used for Installation of Exterior Wall Fenestration Products.
- Provides air permeance less than 0.02 liters per second per square meter at 75 Pascals when tested according to ASTM E2178.



Product Data Sheet

- Passes the requirements for Nail Sealability both before and after thermal cycling.

Installation Instructions (when used with foam sheathing)

- Substrate surfaces should be smooth, clean, dry, and free of contaminants or debris from the substrate surface prior to application. For optimal adhesion to foam substrates, FlashSealR[®] Foam Flashing Tape should be installed at the same time the foam sheathing is installed.
- Cut the FlashSealR[®] Foam Flashing Tape into the required lengths. Generally, the required length is the length of the side of the window or door to be sealed plus two times the width of the tape being used.
- Install FlashSealR[®] Foam Flashing Tape first along the bottom edge of the opening, then along the sides, and then finish along the top edge.
- Next, peel back a small portion of the smaller release paper sheet. Start away from the window a distance equal to the width of the tape. Center the tape over the joint.
- Secondly, press the exposed adhesive portion of the tape firmly into place against the window or door jamb. Continue the installation by removing the release liner while applying firm pressure to the flashing tape surface as it comes into contact with the jamb surface. Continue until the end of the tape is reached.

Typical Physical Properties

FlashSealR[®] Foam Flashing Tape

| Property | Test Method ² | Value |
|--|------------------------------|------------------------------------|
| Service Temperature Range, °F (°C) | — | -40 to 165 (-40 to 74) |
| Application Temperature Range, °F (°C) | — | 0 to 120 (-18 at 49) |
| Air Permeance, tested at 75 Pa, L/s•m ² (cfm/sq ft) | ASTM E2178-03 | 0.00017 (0.0000335) |
| UV Exposure | | Up to 180 days |
| 90° Peel Adhesion | AAMA 711-07 Section 5.3 | |
| FOAMULAR [®] IS0/250 sheathing | | 3.4 lbs/lineal inch (59 N/100 mm) |
| FOAMULAR [®] IS sheathing | | 2.7 lbs/lineal inch (47 N/100 mm) |
| FOAMULAR [®] PROPINK [®] sheathing | | 9.9 lbs/lineal inch (173 N/100 mm) |
| OSB | | 3.7 lbs/lineal inch (65 N/100 mm) |
| Vinyl | | 3.9 lbs/lineal inch (68 N/100 mm) |
| Anodized Aluminum | | 4.2 lbs/lineal inch (73 N/100 mm) |
| After UV Exposure | AAMA 711-07 Section 5.4 | 4.5 lbs/lineal inch (78 N/100 mm) |
| After 7 days at 176°F | AAMA 711-07 Section 5.5 | 4.2 lbs/lineal inch (73 N/100 mm) |
| After 10 Thermal Cycles | AAMA 711-07 Section 5.6 | 4.4 lbs/lineal inch (77 N/100 mm) |
| After 7 Day Water Immersion | AAMA 711-07 Section 5.8 | 3.3 lbs/lineal inch (58 N/100 mm) |
| Nail Sealability | AAMA 711-07 Section 5.2 | |
| Initial | | Pass |
| After Thermal Cycling | | Pass |
| Water Vapor Transmission | ASTM E96/E96M (water method) | 0.19 perms |
| Flame Spread | ASTM E84-08A | 5 |
| Smoke Developed | ASTM E84-08A | 25 |

- Thirdly, starting at a corner, peel back a portion of the larger section of release liner. Press the exposed adhesive portion of the tape firmly into place against the foam sheathing. Continue the installation by removing the release liner while applying firm pressure to the flashing tape surface as it comes into contact with the foam sheathing. Continue until the end of the tape is reached.
- Finally, using a roller (rubber, wood or steel "J" roller) apply sufficient pressure along the entire tape surface to ensure intimate contact between tape and substrate to eliminate any air trapped beneath the tape.
- Always overlap a distance equal to the width of the tape. All horizontal overlaps should be in a lapped, or shingled application,

so that any liquid water traveling down the housewrap or sheathing is continuously directed to the outside of the wall assembly.

- Store FlashSealR[®] Foam Flashing Tape under conditions of 60-80°F (16-27°C) and 40-60% R.H. in the original carton.
- To obtain best performance, use this product within 24 months from date of manufacture.

ResidentialComplete[™] Wall Systems

Owens Corning[™] FlashSealR[®] Foam Flashing Tape provides a tough, tear and leak-resistant seal that resists water intrusion and air infiltration around windows and doors. It is part of Owens Corning[™] ResidentialComplete[™] Wall



Product Data Sheet

Product and Packaging Data

FlashSeal[®] Foam Flashing Tape

| Property | 4" Width | Value 6" Width | 9" Width |
|------------------------|----------|-------------------|----------|
| Thickness (mils) | 9.9 | 9.9 | 9.9 |
| Width | 4" | 6" | 9" |
| Length | 90' | 90' | 90' |
| Roll Dimensions | 4" x 90' | 6" x 90' | 9" x 90' |
| Rolls per carton | 12 | 8 | 4 |
| Cartons per pallet | 36 | 36 | 45 |
| Minimum Order Quantity | 1 carton | 1 carton | 1 carton |

Systems that provide exceptional energy efficiency, help save an average of more than 25% on heating and cooling costs¹ and provide a complete air and water barrier, as well as acoustical performance qualities.

The use of FlashSeal[®] Foam Flashing Tape in conjunction with taping the joints of FOAMULAR[®] XPS Insulation with JointSeal[®] Foam Joint Tape provides the following benefits:

- Enhances the thermal and moisture resistance of buildings by minimizing intrusion of unconditioned, moisture laden air in to the wall assembly
- Provides a secondary layer of external moisture resistance behind the cladding to protect the building
- Reduces thermal bridging in wall assemblies
- Meets criteria of water resistive barrier in accordance with AC71, Effective Date March 1, 2003

- Qualifies as continuous air barrier material as required in ASHRAE 90.1-2010, Section 5.4.3.1.3 (a).

Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.sustainability.owenscorning.com.

Warranty

This product carries a limited warranty. For complete warranty information, you may obtain a copy of this limited warranty by visiting our website at www.owenscorningcommercial.com or calling 1-800-GET-PINK[®] (1-800-438-7465).

Owens Corning Foam Insulation LLC's sole liability under this limited warranty is, at its option,

either replacement of any defective product or refund of the original purchase price. Owens Corning Foam Insulation LLC shall not be responsible for any damage, loss, cost, expense or liability relating to failure to follow product installation and/or use instructions. Failure to follow product installation and/or use instructions may affect Owens Corning Foam Insulation LLC's obligations under this product's limited warranty.

Notes

FOAMULAR[®] XPS Sheathing and FlashSeal[®] Foam Flashing Tape should be covered within 60 days of application to minimize potential degradation due to exposure to ultraviolet light. To ensure best adhesion, FlashSeal[®] Foam Flashing Tape should be applied over FOAMULAR[®] XPS Sheathing at the time the foam panels are installed and rolled with a J roller or similar to ensure intimate contact between tape and substrate. The paper release liner is slippery and should not be walked on at any time. The release liner should be disposed of in a proper receptacle.

1. Owens Corning calculated energy savings for a 2x4 wood stud cavity wall for the opaque wall surface modeled with R-13 and OSB sheathing compared to the same 2x4 wood stud cavity wall with R-13 and R-5 FOAMULAR[®] foam sheathing located in each of the current energy code eight U.S. climate zones, based on ASHRAE Standard 90.2-2001, "Energy-Efficient Design of Low-Rise Residential Buildings", American Society of Heating, Refrigerating and Air-Conditioning Engineers, Atlanta, GA, 30329, Oct. 2012.



FlashSeal[®] Foam Flashing Tape

Product Data Sheet

Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein. Nothing contained in this bulletin shall be considered a recommendation.



OWENS CORNING FOAM INSULATION, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OHIO 43659
1-800-GET-PINK[®]
www.owenscorningcommercial.com

Pub. No. 10017505-A. Printed in U.S.A. June 2013. THE PINK PANTHER[™] & ©1964-2013 Metro-Goldwyn-Mayer Studios Inc. All Rights Reserved. The color PINK is a registered trademark of Owens Corning. © 2013 Owens Corning. All Rights Reserved.

