

FORTRESS FLASHSHIELD™

Self-Adhering Window & Door Flashing



PRODUCT DESCRIPTION

Fortress Flashshield window and door flashing is an aggressive butyl self-adhering air/vapor barrier and water-proofing membrane with a UV resistant polyethylene backing. Flashshield seals door and window perimeters to building substrates creating an impenetrable barrier. Flashshield's butyl adhesive is designed to be installed in wide range of temperatures down to 20° F. It does not react to solvent based materials and is compatible with common caulks and sealants.

Fortress Flashshield has excellent adhesion to typical building materials such as housewrap, vinyl, OSB, plywood, concrete, aluminum and other metals. It can be left exposed for up to 12 months during the construction process.



GENERAL SURFACE APPLICATION

The surface should be clean, dry and free of dirt and other foreign matter. For best results Fortress Flashshield should be applied at a temperature above 20°F. For very cold weather installations we recommend priming the surface with 3M Super 77 spray adhesive. This flashing material is best when stored in a warm area prior to use in cold conditions.

When used as an air/vapor barrier system, all lap and butt joints must overlap a minimum of 4" or at least the width of the flashing. Cut a length of Fortress Flashshield

that can be easily handled or as required by the given installation. Begin application by removing approximately 12 inches of the release paper and center the tape over the area being sealed. Firmly apply Flashshield against the surface and continue pulling off the release paper while rolling the tape into place. Applying pressure is essential to achieve 100% surface contact and will help minimize trapping air beneath the tape. Install in a shingle method to allow for water shed.

RECOMMENDED APPLICATIONS

- Window & Door Perimeters
- Corner Board Abutments
- Joints in Stucco Insulation Systems
- Sealing Sheathing Joints
- Wall to Deck Joints
- Sealing Wall Penetrations

ROLL SIZES

4" x 100' 6" x 100' 9" x 100'



ISO 9001:2000 CERTIFIED
MANAGEMENT SYSTEM

FORTRESS FLASHSHIELD TYPICAL PROPERTIES		
Property	Test Method	Value
Thickness	ASTM D 1000	20 mil
Adhesive Thickness	ASTM D 1000	14 mil
Backing		6 mil Black PE
Tensile Strength (psi)	ASTM D 412-9	1350 (MD) 400 (TD)
Installation Temp Range		20°F to 180°F
Performance Temp Range		-35°F to 200°F
Adhesion to Plywood	ASTM D 903	4 lb./in.
Adhesion to OSB	ASTM D 903	4 lb./in.
Adhesion to Housewrap	ASTM D 903	13 lb./in.
Adhesion to Ridged Vinyl	ASTM D 903	10 lb./in.

Note: To the best of our knowledge, these are typical property values and are intended as guides only, not as specification limits. Raven makes no warranties as to the fitness for use or merchantability of products referred to, no guarantee of satisfactory results from reliance upon contained information and disclaims all liability for resulting loss.

FORTRESS FLEXSHIELD™

Flexible Self-Adhering Window & Door Flashing



PRODUCT DESCRIPTION

Fortress Flexshield is a flexible window and door flashing designed to conform to half round or elliptical windows and arched doorways. Flexshield also provides a conformable seamless method for forming a pan flashing in window sills. It seals door and window perimeters to building substrates creating an impenetrable barrier.

This butyl adhesive is designed to be installed in a wide range of temperatures down to 30°F. It does not react to solvent based materials and is very compatible with common caulks and sealants.

Fortress Flexshield has excellent adhesion to typical building materials such as housewrap, vinyl, OSB, plywood, concrete, aluminum and other metals. It can be left exposed for up to 12 months during the construction process.



GENERAL SURFACE APPLICATION

The surface should be clean, dry and free of dirt and other foreign matter. For best results Flexshield should be applied at a temperature above 30°F. For very cold weather installations we recommend priming the surface with 3M Super 77 spray adhesive and storing the rolls in a warm area prior to use.

For sill flashing applications, begin by cutting a length of flashing at least 12" longer than the width of the rough opening. Peel off the release liner and position it so the Flexshield edge is applied (without stretching) along the back inside edge of the rough opening. It should extend at least 6" up the sides of the opening. Once firmly applied to the inside of the opening slowly stretch Flexshield around to the face of the opening. Firmly apply pressure to achieve maximum surface contact.

When installing a head flashing on a half round / elliptical window or arched door; first install window or door according to the manufacturers installation guidelines. After the window or door installation, simply measure the curved portion of the arch and add one foot to determine the flashing cut length. Remove a portion of the release liner and position Flexshield at least 6" overlapping the straight jam flashing. Continue to conform tightly along the entire curved edge of the window or door and press firmly into place. Supplement adhesion of the flashing with nails or staples until adhesive strengthens over time.

RECOMMENDED APPLICATIONS

- Round / Elliptical Window Flashing
- Pan Flashing of Window Sills
- Arched Doorway Flashing

ROLL SIZES

6" x 75'

8" x 75'



ISO 9001:2000 CERTIFIED
MANAGEMENT SYSTEM

FORTRESS FLEXSHIELD TYPICAL PROPERTIES		
Property	Test Method	Value
Thickness	ASTM D 1000	60 mil
Adhesive Thickness	ASTM D 1000	40 mil
Backing		Creped PE Valeron
Tensile Strength (psi)	ASTM D 412-9	295 (MD) 400 (TD)
Installation Temp Range		30°F to 180°F
Performance Temp Range		-30°F to 200°F
Adhesion to Plywood	ASTM D 903	6 lb./in.
Adhesion to OSB	ASTM D 903	6 lb./in.
Adhesion to Housewrap	ASTM D 903	9 lb./in.
Adhesion to Ridged Vinyl	ASTM D 903	9 lb./in.

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