

WEATHERMATE™ Flexible Flashing

WEATHERMATE™ Flexible Flashing conforms to curved surfaces to provide a tear-resistant seal that resists water intrusion around windows and doors. It is part of the complete WEATHERMATE™ Weather Barrier Solutions lineup from Dow – products designed to enhance the performance of the building envelope.

PROPERTIES

WEATHERMATE™ Flexible Flashing combines a blue creped high-density polyethylene (HDPE) film facer with a butyl rubber adhesive that forms a strong mechanical and chemical bond to most building materials. A polymeric-coated kraft paper release liner provides a more consistent peel than plain paper liners.

WEATHERMATE Flexible Flashing contains no asphalt. The butyl rubber adhesive technology, a key component of this flashing, is considered superior to asphalt adhesives in compatibility with commonly used building envelope caulking materials, insulated and non-insulated sheathings, housewraps and window casing materials.

Properties of WEATHERMATE Flexible Flashing are presented in Table 1. Performance testing results are presented in Table 2.

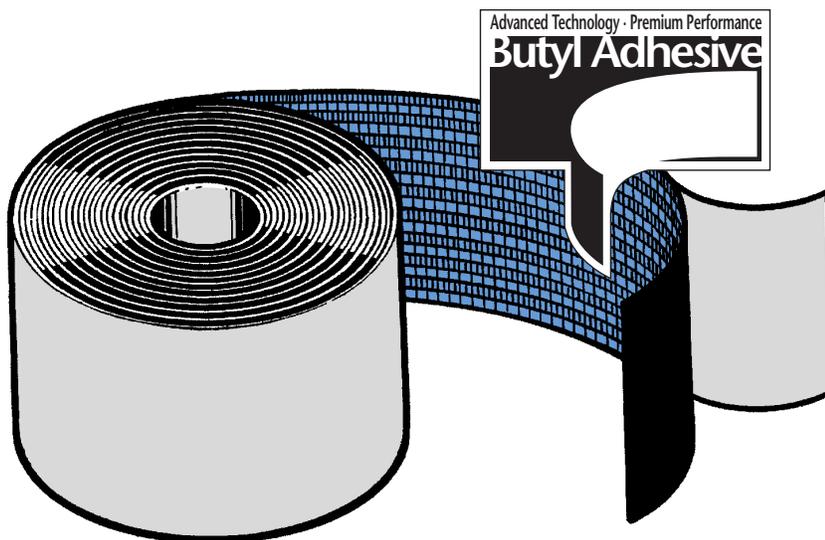


TABLE 1

Properties of WEATHERMATE™ Flexible Flashing	
Face Material Composition	Cross-laminated HDPE film
Face Color	Blue
Adhesive Composition	Butyl rubber
Adhesive Color	Black
Thickness	60 mil
Release Liner	Polymeric-coated kraft paper
Width	6"
Length	75'

TABLE 2

WEATHERMATE™ Flexible Flashing Performance Testing	
Water Vapor Permeability, ASTM E96, perms	< 1
Minimum Application Temperature	30°F
UV Resistance	120 days

Installation

HOUSEWRAP OVER AN EXTERIOR SHEATHING ON A WOOD FRAME WALL

The instructions outlined here describe how to use WEATHERMATE™ Flexible Flashing to flash a flanged window installed on a wall assembly

consisting of housewrap over an exterior sheathing on a wood frame wall. For information on using WEATHERMATE™ Flexible Flashing on other types of wall assemblies, contact your Dow representative or call 1-866-583-BLUE (2583).

Step 1:

- a. After installing housewrap over rough window openings, make an inverted "Y" cut in the housewrap to the top of the jamb (below arch) at each window.
- b. Fold housewrap in at jambs and sill, fastening to inside face of framing.

- c. At the top of each jamb where it meets the arch, cut the housewrap 6" at a 45-degree angle. Then make a vertical cut in the housewrap on each side, ending about 2" above the top of the window. Pull up and temporarily fasten above window opening (Figure 1).
- d. Prepare substrate surface as necessary to ensure it is clean, dry and free of grease, dust or debris. A spray adhesive, such as 3M High Strength 90, is recommended if applying WEATHERMATE™ Flashings directly to OSB or other surfaces where additional adhesion may be required.

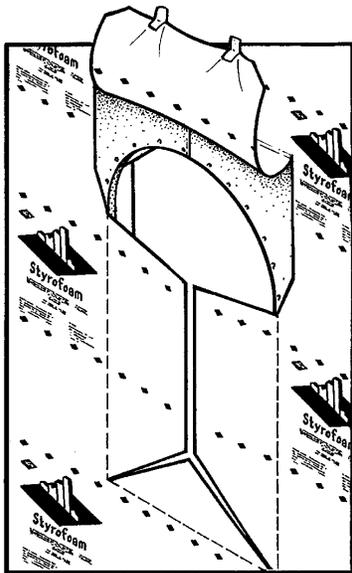


Figure 1

Step 2:

Option 1

Create a sill pan with backdam using WEATHERMATE™ Flexible Flashing

- a. Cut a length of flashing tape 1' longer than the width of the window.
- b. Before removing release liner, fold the flashing lengthwise about 1" to 1-1/2" from the edge, to form a crease. Next, fold 3/8" to 3/4" of material back up to form a second crease. The peak that is formed will serve as the backdam, thus providing positive water drainage to the exterior.

- c. Peel the release liner from the long edge to the first crease. Position the flashing along the bottom and 6" up sides of the rough opening, but do not affix firmly. Continue peeling the release paper to the second crease. Press sides of peak together to bond. Peel the remainder of the release paper and position the flashing on the sill.
- d. Do not stretch the flashing. When the flashing is positioned correctly, press firmly, working from the center to the corners and up the jamb, removing air pockets as you work.

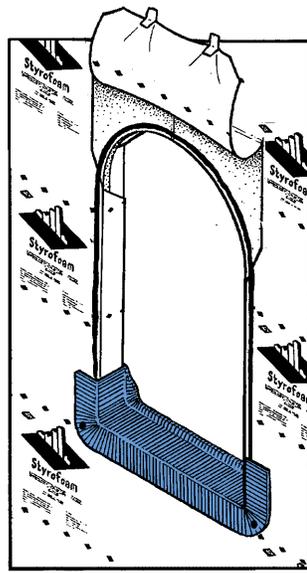


Figure 2

- e. Secure outer edges of flashing with plastic cap nails to hold in place (Figure 2).

Note: Sill flashing works best when the window sill is sloped to the exterior.

Option 2

Use WEATHERMATE™ Sill Pan

- a. Position one piece of WEATHERMATE™ Sill Pan along the base of window rough opening, lapping over weather-resistive barrier (Figure 3).

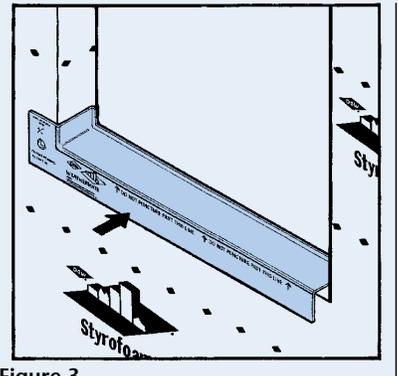


Figure 3

- b. Press firmly against corner of window opening. Nail or staple in place, following embossed instructions on product (Figure 4).

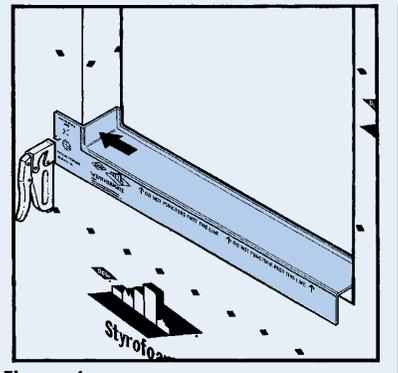


Figure 4

- c. Position second piece, overlapping first piece with a minimum overlap of 2". Press second piece firmly into corner of window opening. Nail or staple in place, following embossed instructions on product (Figure 5).

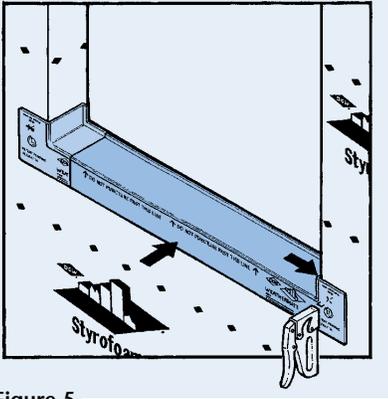


Figure 5

For window openings wider than 5', install WEATHERMATE™ Sill Pan in corners, then cut the corner off a third piece, taking care not to damage backdam. Center this straight length over the two corner pieces, overlapping each side a minimum of 2". Tape overlaps with WEATHERMATE™ Flashing.

- d. Seal overlap seam and top edge of corner pieces with WEATHERMATE™ Flashing, as shown (Figure 6).
- e. If shims are necessary when installing the window, place them under WEATHERMATE Sill Pan.

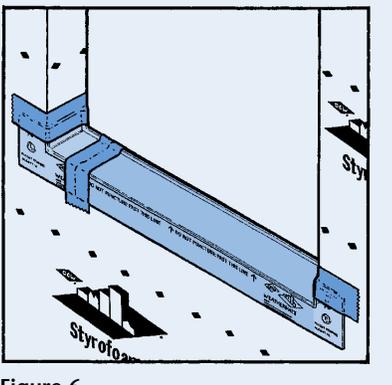


Figure 6

Step 3:

- a. Apply sealant at window jambs and head. Or back-caulk the window, applying sealant on the back side of the nailing flange (Figure 7).
- b. Install window, plumb, level and square, per manufacturer instructions.

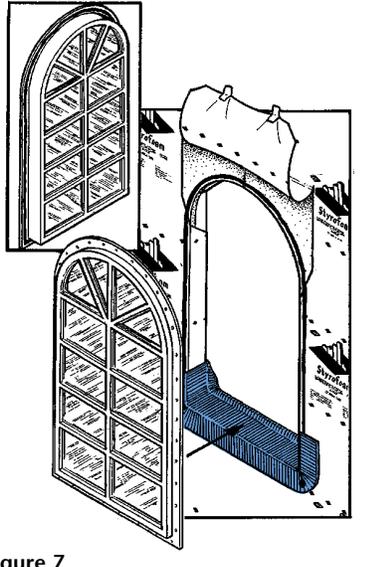


Figure 7

Step 4:

- a. Apply WEATHERMATE™ Straight Flashing (top down) along window jambs, overlapping WEATHERMATE™ Sill Pan or other sill flashing.
- b. Cut a piece of WEATHERMATE™ Flexible Flashing 1' longer than the arc length of the window head.

- c. Install WEATHERMATE™ Flexible Flashing along header (Figure 8). Secure outer edges of flashing with plastic cap nails to hold in place. Do not stretch flashing.

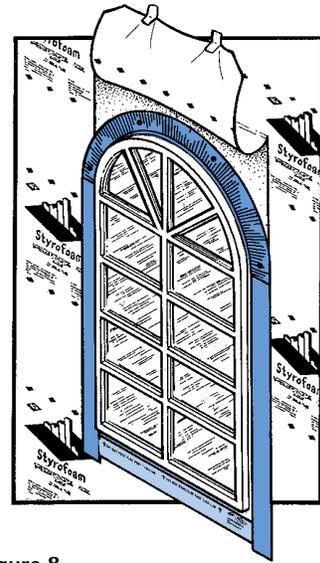


Figure 8

Step 5:

Fold housewrap flap down and secure with WEATHERMATE™ Construction Tape (Figure 9). Air seal windows around entire interior perimeter with GREAT STUFF™ Pro Window & Door insulating foam sealant.

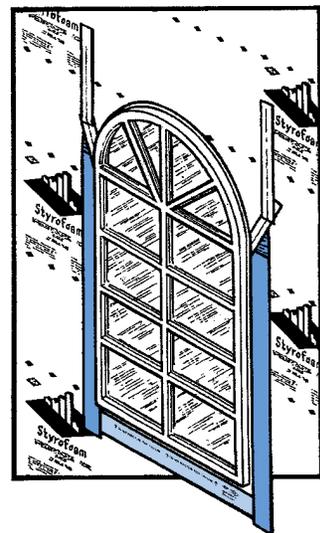


Figure 9

IN THE U.S.:

- For Technical Information: **1-866-583-BLUE (2583)**
- For Sales Information: **1-800-232-2436**

THE DOW CHEMICAL COMPANY

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