This installation guide addresses the proper flashing of a window that is contained in a recessed wall system built using a double 2 x 4 wall. Also the window is installed and flashed before the weather-resistant barrier is applied. For other wall configurations consult a design professional. **Note:** It is the responsibility of the installer and General Contractor to consult with the manufacturer on how these instructions apply to the specific units that are being installed, as well as any additional measures that may need to be taken. **Fortifiber Building Systems Group** provides this Installation Guide to assist installers by demonstrating an efficient and effective method for exterior wall concealed flashing installation. Compliance with the building code and proper installation are critical in reducing potential water leakage points.

The following Fortifiber products are used in this guide:

- **FortiFlash® 40 Self Adhesive Waterproof Flashing Membrane 18 inch x 75’ rolls**
- **FortiFlash® Commercial Self Adhesive Waterproof Flashing Membrane 18 inch x 75’ rolls**
- **Super Jumbo Tex® 60 minute 40” x 240 sq. ft rolls**
- **Moistop neXT® Flashing, 12 inch x 200’ rolls**
- **Moistop® Sealant (Exceeds AAMA Standards)**

Also, from TLS Laboratories the following Corner Flash® products are used in this guide:

- **TLS GS 100 *“A”, and GS 100 *“B”**
  *The GS 100 Corner Flash System is supplied by TLS Laboratories at (800) 310-7673. GS 100 and Corner Flash are Registered Trademarks of TLS Laboratories.

**SILL SLOPE**

Consult a design professional about the proper slope required for your project

Steep slope (1” in 3½”)  
For proper drainage the exterior wall sill must be sloped. The example above shows a steep slope (1” inch in 3½”). This slope can be created by ripping dimensional lumber. Please consult a design professional about the proper slope required for your project.
1 STARTER BIB AND SILL CORNERS

The Starter bib is made from a 12" inch piece of Moistop neXt that is attached to the exterior wall 3" above the bottom of the sloped sill. Remove the section of Moistop neXt that is between the exterior jambs and sill by cutting flush with a sharp utility knife, see 1a.

Next, place a 3½" bead of Moistop Sealant in the lower corners as shown in illustration 1b above. Firmly press the GS 100 "A" piece into the sealant and fasten at top edge with staples. Once the "A" pieces are installed press the GS 100 "B" pieces directly on top of the "A" piece. Trim the "B" piece as needed allowing it to wrap around interior jambs and exterior jambs and sill then fasten in place with staples. The corner with both pieces in place should look like fig 1c shown above.

2 FORTIFLASH 40

A piece of 18"-wide FortiFlash 40 is used for the next layer of protection. To prevent wrinkles, or airpockets while installing this piece of self-adhesive flashing the following sequence is strongly recommended.

Cut the flashing to the width of the exterior wall rough opening. Before removing the backing, draw a fold line up from the bottom edge of this piece 9". Below this fold line is the "tail" that covers the exterior wall, starter bib, and corner pieces. Material above the line will cover the exterior and interior jamb/sill areas. First, align top of tail section to the bottom of the rough opening, evenly press the tail in place, then the exterior sill, followed by the section that covers the interior sill and jamb. Assistance is required to hold the flashing while it's being pressed in place. Trim at interior sill.

3 UPPER BIB*

Before installing bib, place a 3½" bead of Moistop Sealant as shown above. Then cut the Super Jumbo Tex to the width of the exterior wall rough opening. The height goes from flush with the interior wall sill and extends 2" inches below the FortiFlash 40. *This Upper bib is optional, adding a temporary layer of protection for the sill during construction.

4 SILL FLASHING

Moistop neXt is used as a protective course for sill flashing. It is fastened flush with the top of the interior sill, covers the exterior sill, and extends to the edge of the jamb flashing installed in Step 5. Since the length of jamb flashing can vary, run the sill flashing long and trim once jamb flashing is installed.
5  INSTALL JAMB FLASHING

**HEAD AND SILL JUNCTION**

Moistop neXT is used for Jamb flashing. This piece starts 1 inch above the top of the exterior wall rough opening and extends even with the bottom of lowest piece of sill flashing. The detail above shows how to notch the jamb piece properly at the head and sill. Once the jamb flashing is in place, trim the sill flashing flush.

6  HEAD CORNER "B" PIECE

**FOLD DETAIL**

Apply a 3/8” bead of Moistop Sealant as shown above. Firmly press the GS 100 “B” piece into the sealant. Trim and fold this piece as shown at right. Then fasten in place.

7  HEAD CORNER "A" PIECE

**FASTENING DETAIL**

Press the GS 100 “A” piece into place on top of the “B” piece installed in Step 6. Fasten as shown at right.
8 INSTALL WINDOW

Before installing the window, apply a continuous 3/8” bead of Moiststop Sealant to the backside (interior) of the mounting flange. Install the window according to the window manufacturer’s instructions.

9 HEAD FLASHING

The head flashing is made from Moiststop neXT. Three measurements are required to properly fit this flashing. 1, measure the distance from the outer edges of the jamb flashing. 2, the exterior wall rough opening. 3, the combined length of the space above the top of the window and the depth of the exterior wall header. These measurements will provide length of the flashing, slice location and depth allowing the flashing to tuck under the recessed opening. Staple into position. See detail above.

10 WRB INTEGRATION

This recommendation refers to the most common types of windows used (surface mounted). For other types of frames, special attention should be paid to the window manufacturer’s instructions.

Limitations: For optimum adhesion, FortiFlash and FortiFlash Commercial flashings should be applied at temperatures between 40°F (4.4°C) and 120°F (48.9°C). Be cautious about using FortiFlash where it can be exposed to temperatures above its Service Temperature such as hot climates or behind fiber cement and metal sidings that absorb a significant amount of heat. FortiFlash, FortiFlash Commercial and FortiFlash Butyl are the only Fortifiber flashing products that can be installed horizontally or at a slope of less than 60°. Where installed horizontally or with a slope of less than 60° do not use fasteners. Product should be covered as soon as possible. Inspect product to insure it is free of any protrusions or damage which may compromise its moisture-resistive properties. FortiFlash is not compatible with EPDM or flexible (plasticized) Polyvinyl Chloride (PVC) based products. 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 above. Please follow these 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.

Weather-Resistive Barriers are installed in a weather board fashion, starting at the bottom of the wall and working to the top. Fortifiber recommends the use of a well integrated weather-resistive barrier with all of its flashing systems.

Call 1-800-773-4777 Nationwide for Technical Assistance or visit our website at www.fortifiber.com