SURE SILL™ WATER MANAGEMENT GUIDE FOR WINDOWS AND DOORS™

**SLOPED SILL PAN™ ASSEMBLY**

Check the fit with end caps before gluing them. See Sill Pan Assembly DETAIL on page 3.

- Slide End Caps fully in place. Wipe off excess PVC cement.
- Channel Plate
  - Apply Wet-R-Dry™ PVC cement to contact surfaces on both End Caps and Channel Plate (shaded area).
- Weep Holes
  - SureSill™ Sloped Sill Pan™

**HEADFLASH™ ASSEMBLY**

Measure the exterior width of the window/door, including any brick mold, and cut the DrainShield™ to that measurement. Check fit with end caps before gluing. Remove any labels from contact surfaces.

- Slide End Caps fully in place. Wipe excess PVC cement. Hold glued parts for 1 min for PVC cement to dry.
- End Cap
  - DrainShield™
  - Apply Wet-R-Dry™ PVC cement to contact surfaces on both End Caps and DrainShield™ (shaded area).

RECOMMENDED PRODUCTS

| SAF – Henkel/OSI BUTYLFLASH; DuPont™ FlexWrap™, DuPont™ StraightFlash™, DuPont™ StraighthtFlash™ VF SEALANT – Henkel/OSI® QUAD® MAX™; LOW EXPANSION FOAM – QUAD® FOAM by Henkel/OSI® |

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**SURE LEVEL OF PROTECTION**

**SURESILL™ Water Management Guide**

**STEP 1**
Install Drainage Skirt 6” above plate over any sub-floor area. See Sealing the Sill Pan **STEP 1 DETAIL**

Apply sealant on concrete, sub-floor or base plate and 6” up the sides.

Install 12” wide water-proofing (SAF or similar) 6” above plate and over any sub-floor area.

**STEP 2**
Install assembled SureSill™ Sloped Sill Pan™ plumb and leveled across entire rough opening, and secure to rough opening by fasteners in slots provided.

**STEP 3**
Use self adhering flashing (SAF) on rough jamb, over SureSill™ End Caps. Apply adhesive sealant to jambs and head.

**STEP 4**
Install window or door per OEM instructions. See **STEP 4 DETAIL** Install additional SAF at jambs (brick mold). Apply 3/8” bead of sealant behind the HeadFlash™. Install HeadFlash™ head flashing.

Apply SAF over the HeadFlash™

**STEP 5**
Install WRB in shingle fashion, including over jamb flashing and head flashing. Allow free drainage for SureSill™ Sloped Sill Pan™ and HeadFlash™ during and after construction. Painting is recommended for the surfaces exposed to exterior. Apply FOAM to the interior side to seal the gap between the frame/jamb and the rough opening on three sides (two vertical and on top).

**NOTE:**
SureSill™ Sloped Sill Pan™ and SureSill™ HeadFlash™ should be installed at the same time a window or door is being installed.

IMPORTANT: Seal the 1/8” gap behind window or door threshold with sealant and tool it flat. Back of the door/window casing should be grooved to accommodate for the sill pan.

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SureSill™ Water Management Guide

Installation Details

**SILL PAN ASSEMBLY**

**Sealing the Sill Pan to WRB**

*STEP 1 DETAIL* - Seal the front lip of the Sill Pan to WRB or to Drainage Skirt. Seal between the sill pan and the rough opening by applying sealant on the bottom of the rough opening and 6" on the sides as indicated. This should provide a barrier against both moisture and air infiltration between the sill pan and the rough opening. Use 5/8" thick bead of sealant.

**SEALING AGAINST AIR AND WATER INFILTRATION**

**STEP 4 DETAIL**

To prevent air and water infiltration seal between the back of the sill pan and the back of the jamb/sill and between the jamb and the rough opening.

**NOTE *2*: THE BEAD OF SEALANT SHOULD BE CONTINUOUS AND TOOLED FLAT. SOME SEALANTS MAY HAVE ADVERSE REACTION WITH CERTAIN SELF ADHERING FLASHING PRODUCTS. PLEASE VERIFY COMPATIBILITY WITH THE MANUFACTURER. THE FOAM AND THE SEALANT SHOULD OVERLAP AND HAVE AN AIR-TIGHT JOINT.
EXTerior Door solutions
Exterior Door Drain detail

1. Step Down Landing – Recommended

Fig. 1 EXTERIOR DOOR WITH STEP-DOWN LANDING
With Masonry Veneer - Door Drain Detail

Step Down Landing should be minimum 2”.
Install SureSill™ System per SureSill Water Management Guide
Instead of Masonry Veneer, other exterior cladding can be installed, such as Stucco, Siding, etc., however, a Dedicated Drainage Path proper drainage should always be installed.
Install SureSill™ System per SureSill Water Management Guide
2. **CONTINUOUS SLAB (ON-GRADE) EXTERIOR DOOR DRAIN DETAIL**

INCLUDING ADA DOORS

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**Fig. 2 CONTINOUS SLAB EXTERIOR DOOR DRAIN DETAIL**

Deck Drain should be installed to evacuate the water with an open end away from the building.

Exterior Surface should slope away from the building.

Install SureSill™ System per SureSill Water Management Guide

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Recommended products for Deck Drain: *Super Drain by Stegmeier Corporation*


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