

# Installation of DOWSIL™ 714 Rollable Flashing

## Installation Instructions

This document is intended to offer guidance on the surface preparation and application of DOWSIL™ 714 Rollable Flashing when used in rough masonry openings for windows and doors. The location design and extent to which the flashing should be applied to restrict liquid water from entering should be determined or reviewed by an appropriate design professional.

## Surface Preparation

Differences in substrate composition or environment may require different surface preparation methods. It is always best to evaluate prior to full installation of the product.

1. Remove any form release, laitance, dirt, and debris.
2. Ensure that if compressed air is used to remove dirt and debris the air is dry and oil-free.
3. Consult concrete supplier's cleaning recommendations for form release or laitance removal.

## Treat the Rough Opening

1. Ensure that the rough opening has not been damaged or cracked during construction. Repair any damage or defects prior to installation of the liquid flashing.
2. Clean the surface of the rough opening where the DOWSIL™ 714 Rollable Flashing will be applied. A thorough wire brushing, grinding, sandblasting, or solvent cleaning may be required to expose clean, sound virgin surface. Substrate surface should be sound, clean and dry before installation.
3. For cast-in-place concrete, repair bug holes or other imperfections with a detail coat of DOWSIL™ 714 Rollable Flashing (if possible – multiple coats may be necessary) OR, detailed with DOWSIL™ Contractors Paintable Sealant OR, rout and seal with DOWSIL™ Contractors Paintable Sealant. DOWSIL™ Contractors Paintable Sealant should at minimum be tack-free (Approximately one hour in standard conditions) prior to applying the DOWSIL™ 714 Rollable Flashing.
4. Cracks/Seams/Transitions  $\leq 1/8"$  should be detailed with DOWSIL™ 714 Rollable Flashing applied at a minimum of 20 mils overlapping each surface at least  $1/4"$  OR, covered with DOWSIL™ Contractors Paintable Sealant overlapping each surface at least  $1/4"$ . DOWSIL™ Contractors Paintable Sealant should at minimum be tack-free (Approximately one hour in standard conditions) prior to applying the DOWSIL™ 714 Rollable Flashing.
5. All substrates receiving the liquid flashing should be in sound condition. Any wood bucks experiencing decay or water damage must be repaired or replaced.

6. Cracks/Seams/Transitions greater than  $1/8"$  should be detailed with DOWSIL™ Contractors Paintable Sealant. DOWSIL™ Contractors Paintable Sealant should at minimum be tack-free (Approximately one hour in standard conditions) prior to applying the DOWSIL™ 714 Rollable Flashing. Seal all openings in between, on top and on bottom of existing wood bucks with the DOWSIL™ Contractors Paintable Sealant.
7. All corners (where head meets the jambs and jambs meet the sill) should be detailed with a cant bead of DOWSIL™ Contractors Paintable Sealant. DOWSIL™ Contractors Paintable Sealant should at minimum be tack-free (Approximately one hour in standard conditions) prior to applying the DOWSIL™ 714 Rollable Flashing.

## Installation Guidelines

1. Apply material as packaged. Product should not be diluted or altered.
2. Upon opening, if the material is not homogeneous it should be mixed to a homogeneous consistency. This is typically accomplished using a low-speed drill and paddle (typically 90-180 seconds). Rolling the pails prior to opening may also be effective. If a film is present on the surface, it should be removed prior to mixing. Once opened, material should be used immediately.
3. Apply the material with a  $1/4"$  or  $3/8"$  nap roller or a brush. Material should be applied to at least a 20-25 mil thickness in a continuous film free of pinholes/voids. Coverage rate is 64-80 sq. ft per gallon without factoring waste (note available pail sizes are 2 gallons and 5 gallons). If pinholes/voids are present after application of the coating due to substrate imperfections a second coat of material may be applied to assure continuity.
4. If desired as part of the water control design, the liquid flashing can be applied along the face of the rough opening. Limit the dimension to no more than 4 inches. Per AAMA 714 guidelines, if there are concerns about applying stucco with sufficient wet-out pressure to tight or constrained dimensions, DOWSIL™ 714 Rollable Flashing can be cut back from the edge. Care should be taken to assure that flashing covers the entirety of the opening where the window/door will overlap.

## Installation Guidelines (Cont.)

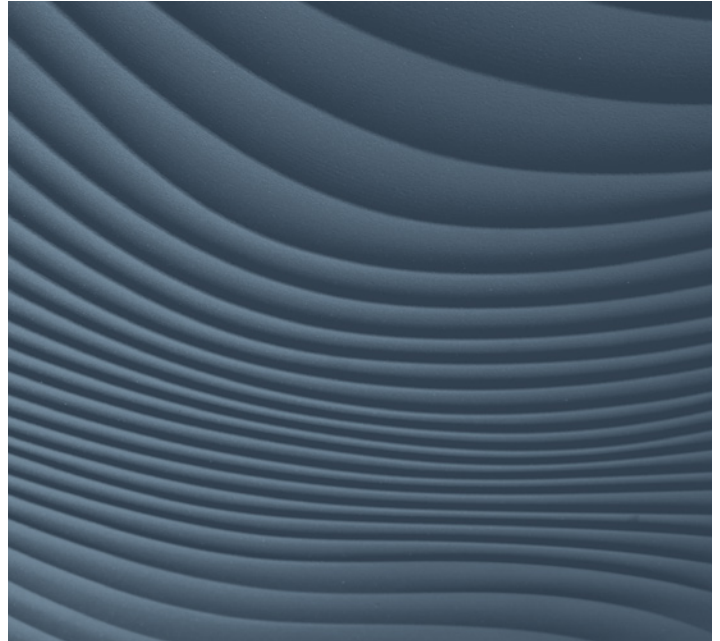
5. Use of mesh or silica sand (typically 2040) to enhance the wet-out of the stucco application is required for stucco adhesion. The sand should be applied to a second coat of DOWSIL™ 714 before the skin-over of the surface of the liquid flashing.
6. DOWSIL™ Contractors Paintable Sealant (CPS) shall be used as the window after stucco perimeter secondary seal if sealant paintability is desired.

## Alternate Rough-Opening Detail – New Wood Buck


1. Industry guidelines<sup>a,b</sup> recommend applying a zigzag pattern of sealant along the back/underside of the wood bucks prior to installation in the rough opening. When a weatherseal is specified, DOWSIL™ Contractors Paintable Sealant can be applied following this or other published industry recommendations.
2. Once the buck is installed, fasteners can be spot applied with DOWSIL™ 714 Rollable Flashing to cover the head. Extend the coverage of fasteners to ¾" to 1" diameter over the fastener head with a brush or roller.
3. Apply beads of DOWSIL™ Contractors Paintable Sealant along corners/transitions of the wood buck. Tool the sealant and allow to be tack-free or fully cured prior to applying DOWSIL™ 714 Rollable Flashing along the edge and face of the buck as well as any transitions at the corners. Spread the flashing using a roller or brush, targeting a 20-25 mil applied thickness.
4. Ensure that the flashing applied to the wood buck marries into the flashing applied to the concrete surfaces with some overlap

## References

- a. FMA/AAMA 200-12, "Standard Practice for the Installation of Windows with Frontal Flanges for Surface Barrier Masonry Construction for Extreme Wind/Water Conditions," AAMA, Schaumburg, IL.
- b. FMA/AAMA 400-13, "Standard Practice for the Installation of Exterior Doors in Surface Barrier Masonry Construction for Extreme Wind/Water Exposure," AAMA, Schaumburg, IL.




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Form No. 63-7379-01-0725 S2D