

Window Flashing Installation Guidelines

KeeneFlash 100

A Flashing Tape

A Flashing Tape for Windows

KeeneFlash 100 is a versatile, high performance flashing tape specifically engineered to provide superior adhesion to a wide variety of substrates through the building envelope. It is manufactured from a highly conformable polymetric film that provides superior nail sealability, and a high-performance acrylic adhesive selected for its excellent peel and tack properties.

KeeneFlash 100 is the go-to choice for window flashing. Suitable for both new and remodel applications, KeeneFlash 100 is compatible with both fluid applied air weather barriers and traditional house wrap.

Important Notice

This document is provided for guidance only, it is not intended to cover all local code variations.

- Read these installation instructions completely from beginning to end.
- KeeneFlash 100 must be installed using industry accepted, best practices that meet all local code requirements.
- Inspect the structure to ensure that the area where KeeneFlash 100 is to be installed is free of defects. KeeneFlash 100 must be installed over structurally sound surfaces.
- When using KeeneFlash 100 in a remodeling application or in an existing structure:
 - Thoroughly inspect the area where the application is to take place.
 - Ensure that the framing and sheathing is free of any rot, mold, dirt, moisture, oil/grease.
 - Replace all suspect framing and/or sheathing prior to beginning installation.
- Before beginning any installation review all applicable local building codes and thoroughly read all instructions provided by the manufactures of all products used during the installation.
- Depending on your geographic location and local building code requirements specific installation steps may vary.
- As always, follow the OSHA standards for safety.

Weather Barrier (WB)

KeeneFlash 100 is designed to be used with a wide variety of WB's. Read and understand all instructions provided by the manufacture. KeeneFlash 100 must only be used in conjunction with a properly installed WB (if used and where applicable).

- When using KeeneFlash 100 with traditional house wrap begin with step 1.
- For applications using modern fluid applied WB's ensure that it is applied per the manufacture's guidelines. It is recommended that the product be applied inside the rough window openings. Begin with step 2.

Table of Contents

Detailing the Weather Barrier.....	page 2
Installing the Sill Flashing.....	page 2
Installing Window.....	page 3
Installing Jam Flashing.....	page 3
Header Flashing.....	page 3
Final Detailing Weather Barrier.....	page 3

Tools and Materials

Tools:

- Tape measure
- Utility knife
- Framing square
- J roller
- Marker
- Proper safety equipment

Materials:

- KeeneFlash 100
 - For 2x4 wall construction 6 inch flashing is recommended
 - For 2x6 wall construction 9 inch flashing is recommended
- KeeneSeal 100
- Utility knife blades

Installation

1. Detailing the Weather Barrier:

- Install WB per manufactures instructions.
- Locate the rough window opening.
- Along the top of the rough opening, cut WB flush with the header from jam to jam.
- Starting with the upper right corner make a cut at a 45° angle approximately 12 inches long, away from the window opening.
- Repeat on the left side.
- Fold the resulting trapezoidal flap up and temperately tape in place. This will keep the flap out of the way as we proceed.
- Locate the approximate center of the rough window opening.
- Beginning at this point, cut a diagonal line towards the lower right-hand corner.
- Repeat on the left side.
- Remove the resulting flap by flush cutting the WB to the sill plate of the rough opening.
- Returning to the center of the top of the rough opening, make a cut vertical down to the point created during the cutting in step 1.I.
- Starting on the right-hand side, take the resulting flap of WB and wrap it around the jam, securing it to the interior side of the jam.
- Remove excess material.
- Repeat on the left-hand side.
- Mark the center of the sill, header and each jam on the interior side of the rough window opening. This will aid in centering the KeeneFlash 100 as we progress with the installation.

At this point the full rough window opening should be visible. Along the top edge the house wrap is folded up and taped out of the way. The jam side pieces have been wrapped into the rough opening and secured to the interior side of the framing. The bottom piece has been removed. For those using a fluid applied begin installation with step 2.

2. Sill Flashing:

- Cut a piece of KeeneFlash 100 that is the width of the rough opening plus two times the width of the flashing. Mark the center point on the exposed side.
Example: The rough window opening is 36 inches high and 6 inches wide, flashing is used – a piece 48 inches is cut (36 inch opening + 6 inch flashing + 6 inch flashing = 48 inch piece).
- Mark a point 6 inches up on the right-side jam of the window opening.
- DO NOT REMOVE THE RELEASE LINER. Starting at this point – roughly lay the KeeneFlash 100 in the opening so that the interior edge of the flashing is flush with the interior wall. Ensure that the flashing comes up approximately 6 inches on either jam and overhangs the exterior edge of the sill by approximately 2 inches.
- Beginning with the right side SLOWLY remove the release liner while gently pressing the flashing in place. It is important that the flashing remain straight and flush with the interior surface.
- When the lower right corner is reached. Use the angled edge of a framing square to firmly push the flashing into the corner.
NOTE: It is important to NOT use an object with a fine edge (such as a putty knife) to push the KeeneFlash100 into the corner as it may damage the material).
- Continue across the sill gently pressing the flashing in place – when the lower left corner is reached, repeat the process used in step 2.C to secure the flashing into the corner. Finish up the left-hand side.
- Beginning on the right side, from the inside, using both hand side by side, at a 45° angle to the sill plate, push the flashing onto the exterior sheathing.
- Repeat on the left-hand corner.
- Beginning in the middle, gently press the flashing onto the WB/exterior surface avoiding wrinkles or creating any tears that may lead to future leaks.
- Repeat the process on both the right-side jam and then the left, working from the corner up.
- Using a J-Roller, firmly press all areas of the KeeneFlash 100. Working out any air bubbles and wrinkles.

Installation

3. Install the Window Per the Manufacture's Instruction

- A. Typically, a bead of sealant is applied to the top and both jam sides of the rough opening (sometimes referred to as an inverted "U"). Typically, this is approximately 1 inch from the edges of the rough window opening. In installations where sealant is called for use KeeneSeal 100.

NOTE: It is important to NOT apply any sealant to the bottom edge of the rough opening as this will trap any incidental moisture and potential result in failure of the flashing system.

4. Installing the Flashing on the Jam Sides of the Window:

- A. Once the window installation is complete, cut two pieces of KeeneFlash 100 that are the height of the rough opening plus two times the width of the flashing used.

Example: The rough window opening is 50 inches high and 6 inches wide, flashing is used – two pieces 62 inches are cut (50 inch opening + 6 inch flashing + 6 inch flashing = 62 inch piece).

- B. Mark the center of each piece on the exposed side.
C. Beginning with the right side, center the flashing and place it so that it covers the nails used to secure the window jam nail fin (a minimum overlay of 1 inch is recommended). Press the flashing firmly into place.
NOTE: The flashing should extend past the sill flashing installed in step 2, and extend above the header by 6 inches.
D. Starting at the top, remove a small section of the release liner. Working down the window SLOWLY pull back the liner as the flashing is pressed into place ensuring that the flashing remains parallel to the window.
E. Repeat on the left-hand side.
F. Once the flashing is installed on both jams, press down with a J-Roller to ensure maximum adhesion while working out any air bubbles and wrinkles that may have occurred during installation.

NOTE: It is important to NOT install any flashing over the sill portion of the nailing fin. This will block the path of any incidental moisture and cause failure of the flashing system.

5. Installing the Flashing Along the Header:

- A. Cut a piece of KeeneFlash 100 for the header that is the length of the rough opening plus two times the width of the flashing used plus two inches.

Example: The rough window opening is 36 inches high and 6 inches wide, flashing is used – a piece 52 inches is cut (36 inch opening + 6 inch flashing + 6 inch flashing + 2 inches = 52 inch piece).

- B. Mark the center of the piece of flashing on the exposed side.
C. Starting on the right side SLOWLY peel back the release line while pressing the flashing into place, ensuring that the flashing remains parallel to the window.

NOTE: The header flashing should extend past the Jam flashing by one inch on both sides of the window.

- d. Once the header piece of flashing is installed press down with a J-Roller to ensure maximum adhesion while working out any air bubbles and wrinkles that may have occurred during installation.

6. Final Detailing of the Weather Barrier:

- A. Cut two pieces of KeeneFlash 100 4 inches longer than the cuts made in steps 1.D and 1.E (approximately 16 inches long).
b. Remove the tape holding the Weather Barrier flap performed in step 1.F.
c. Beginning on the right-hand side, center the flashing over the cut, ensuring the cut is totally covered by the flashing. Press into place.
d. Repeat of the left-hand side.
e. Once both pieces are in-place roll with a J-Roller to ensure maximum adhesion while working out any air bubbles and wrinkles that may have occurred during installation.

LIMITED WARRANTY: Keene Building Products, Inc. warrants to the initial purchaser only that the goods sold hereunder will be free from defects in material and workmanship and, except as otherwise set forth herein, will conform to the specifications provided. If any failure to meet this warranty appears within one year from the date of shipment of the goods, on the condition that Keene Building Products, Inc. will correct any such failure by either replacing or repairing any defective goods, at Keene Building Products, Inc.'s option.

The preceding paragraph sets forth the exclusive remedy for all claims based on failure of or defect in the goods sold hereunder, whether such failure or defect arises before or during the warranty period and whether a claim, however instituted, is based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise. The forgoing warranty is exclusive and is in lieu of all other warranties whether written, oral, implied or statutory.



877 | 514 | 5336
Info@KeeneBuilding.com P 440 | 605 | 1020 19.1
KeeneBuilding.com F 440 | 605 | 1120 page 3/3