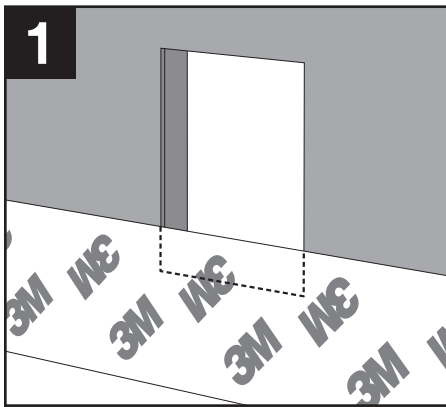


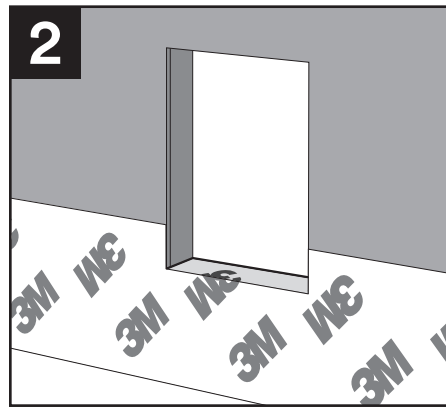


## Flashing Window Openings with Wall Membrane

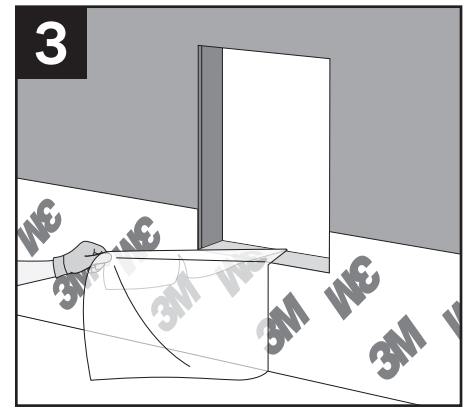
This guide details an acceptable method of flashing a window opening utilizing the wall membrane as the flashing material. This method is acceptable for both 3M™ Air and Vapor Barrier 3015NP and 3M™ Air Barrier with Permeable Backing 3015VP wall systems.



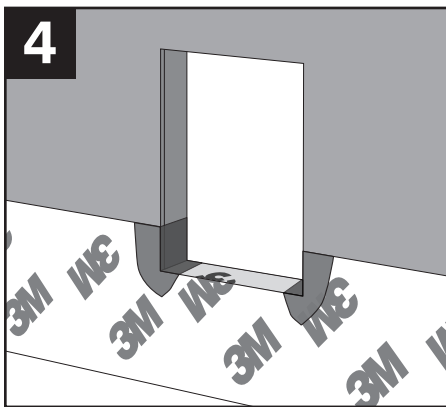
**1** Apply a horizontal row of wall membrane, keeping it the same distance above the window sill as the depth of the window frame.



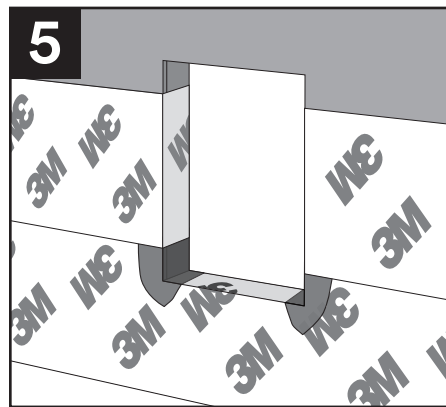
**2** Cut the wall membrane flush on either side of the window opening, then fold over to cover the sill with the membrane.



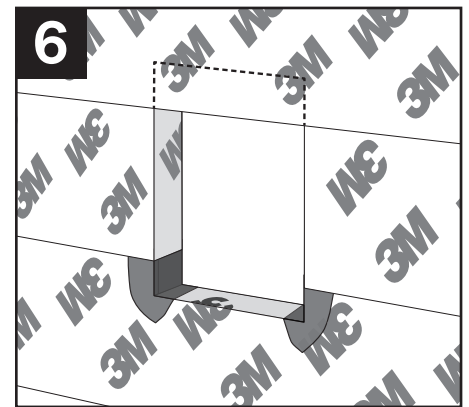
**3** If you are using 3M™ Air Barrier with Permeable Backing 3015VP on the walls, be sure to remove the liner before applying your next layer of tape.



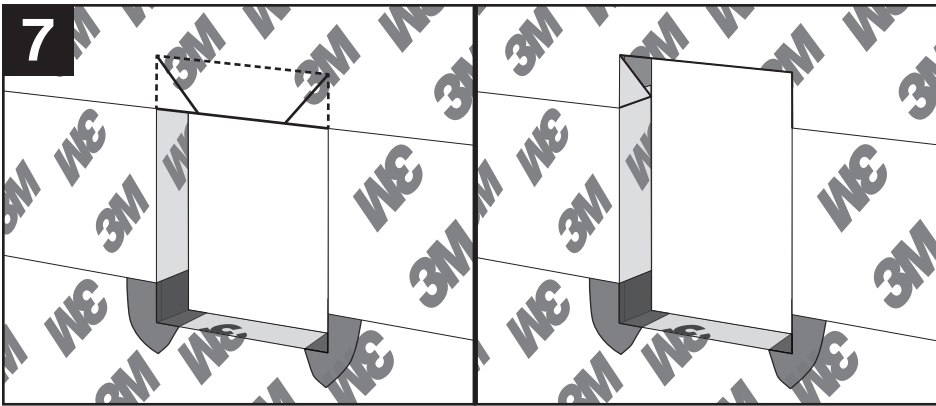
**4** Apply a piece of 3M™ Ultra Conformable Flashing Tape 3015UC flush with top edge of the wall membrane, extending at least 2" onto the sill.



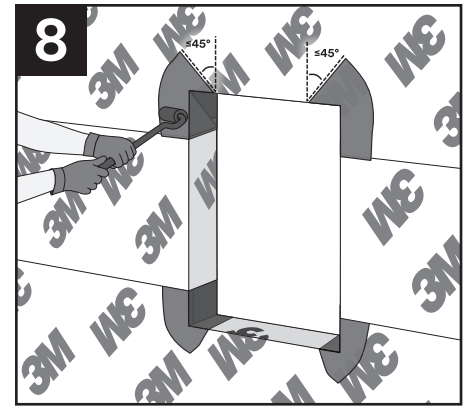
**5** Apply the next row of wall membrane, wrapping around the window frame.



**6** Apply the next row of wall membrane covering the top of the window opening.



7  
Cut the wall membrane at a 45° angle from each of the top window corners, then fold the wall membrane in to cover the window frame.



8  
Apply a piece of 3M™ Ultra Conformable Flashing Tape 3015UC to each of the top corners, ensuring at least a 2" overlap. The exposed edge needs to be at least a 45° angle, creating an acceptable negative lap or apply sealant to the seam.

## 3M™ Air Barrier Products Installation Best Practices

3M™ Air Barrier Products can be applied to a wide variety of sheathing substrates, typically without priming. Substrate condition is crucial to the adhesion performance of any adhesive membrane.

### Substrate Surface Requirements

- Substrate surfaces must be free of grease, oil, un-bonded paint, corrosion or other substances that would adversely affect the adhesive bond between the membrane and substrate
- Substrate surface must be dry to the touch for optimum performance
- Ambient temperature must be between 0°F and 150°F (-18°C and 66°C)
- Rolls must be stored at a temperature between 0°F and 150°F (-18°C and 66°C) to ensure initial bond performance

### Surface Preparation

- Fill gaps and cracks exceeding 1/4" but less than 1/2" width with 3M™ Polyurethane Adhesive Sealant 540 or similar, and tool the surface flush and smooth
- Fill gaps exceeding 1/2" width with closed cell foam backer rod, seal with 3M™ Polyurethane Adhesive Sealant 540 or similar, and tool the surface flush and smooth
- Concrete substrates shall have fins ground flush and void areas filled
- Masonry substrates must have mortar joints tooled or struck flush

### Substrate Specific Guidelines

- Exterior gypsum sheathing shall have moisture content below 19%
- Plywood sheathing shall have moisture content below 16%

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