

INSTALLATION RECOMMENDATIONS FOR WEATHERMATE™ FLASHINGS AND WEATHERMATE™ SILL PAN

RIGID FOAM INSULATION AS WATER-RESISTIVE BARRIER ON A WOOD FRAME WALL

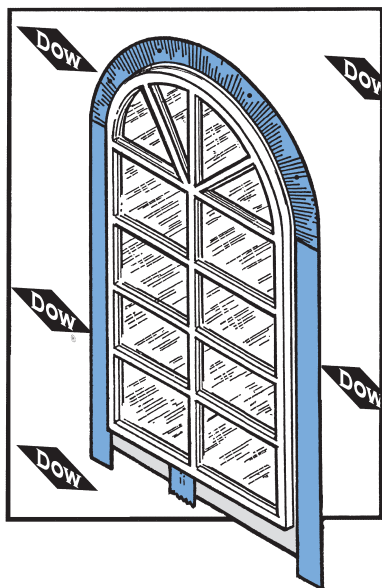
These instructions describe how to use WEATHERMATE™ Flashings and WEATHERMATE™ Sill Pan to flash a flanged window installed on a wall assembly consisting of rigid foam as the water-resistive barrier (WRB) on a wood frame wall. For information on flashing windows installed in other types of wall assemblies, contact your Dow representative or call 1-866-583-BLUE (2583).

For excellent protection against air infiltration and moisture penetration, count on WEATHERMATE™ Weather Barrier Solutions from Dow:

- WEATHERMATE™ housewraps
- WEATHERMATE™ Construction Tape
- WEATHERMATE™ Sill Pan
- WEATHERMATE™ Straight and/or Flexible Flashing



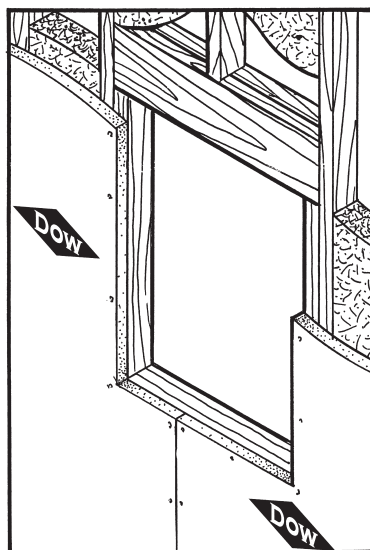
- GREAT STUFF PRO™ Window & Door Insulating Foam Sealant*
- STYROFOAM™ Brand Extruded Polystyrene Foam Insulation and Dow polyisocyanurate insulation**



1. INSTALL RIGID FOAM INSULATION

- Install approved water-resistive STYROFOAM™ Brand Extruded Polystyrene Foam Insulation or Dow polyisocyanurate insulation. Visit www.insulateyourhome.com for complete installation instructions on how to install rigid foam as a WRB.

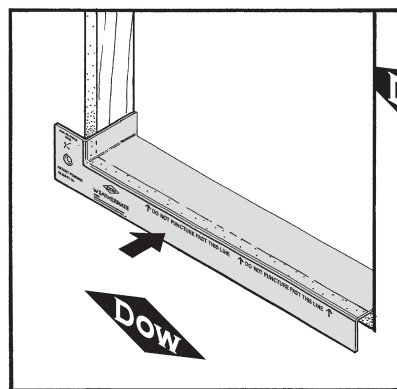
FIGURE 1



2. INSTALL WEATHERMATE™ SILL PAN

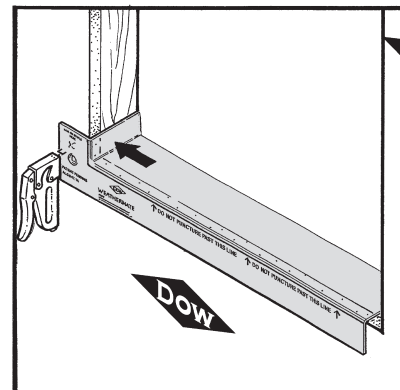
- Position one corner piece along the base of window rough opening, lapping over insulation.

FIGURE 2A



- Press firmly against corner of window opening. Nail or staple in place, following embossed instructions on product.

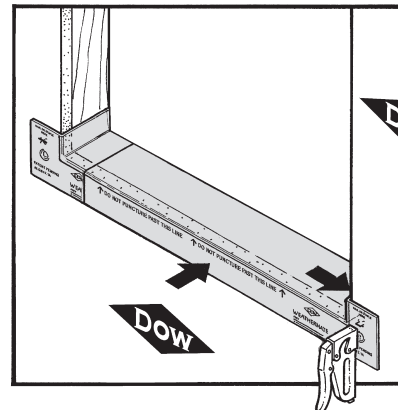
FIGURE 2B



NOTE: WEATHERMATE™ Sill Pan is suitable for use in windowsills only.

- Position second piece, overlapping first piece with a minimum overlap of 2" (51 mm). Press second piece firmly into corner of window opening. Nail or staple in place, following embossed instructions on product.

FIGURE 2C

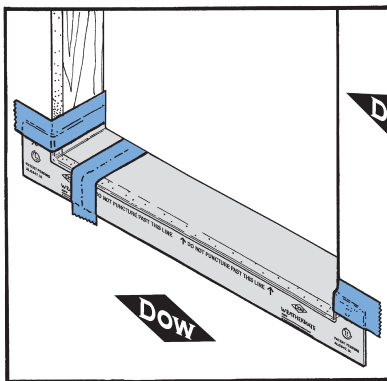


- d. For window openings wider than 5' (1.5 m), install WEATHERMATE™ Sill Pan in corners, then cut the corner off a third piece. Center this straight length over the two corner pieces, overlapping each piece a minimum of 2" (51 mm).

NOTE: WEATHERMATE™ Sill Pan works best when sloped to the exterior.

- e. Seal overlap seam and top edge of corner pieces with WEATHERMATE™ Flashing.

FIGURE 2E

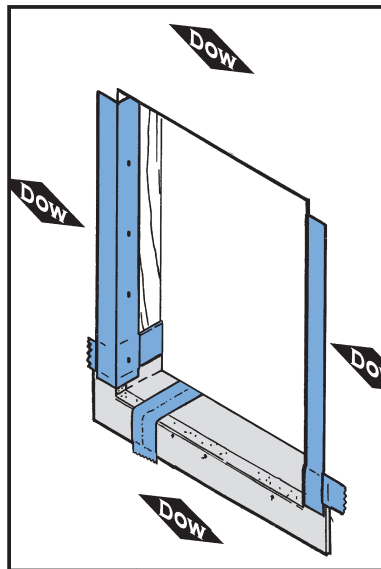


- f. If shims are necessary when installing the window, place them underneath WEATHERMATE™ Sill Pan.

3. FLASH WINDOW OPENINGS

- a. Ensure insulation and wood stud surfaces are clean, dry and free of grease, dust or debris.
- b. Remove release liner and apply minimum of 6" (152 mm) wide WEATHERMATE™ Straight Flashing to the window rough opening, wrapping around sheathing and frame as shown. If additional adhesion is needed to hold flashing in place against wood framing, staples may be used.

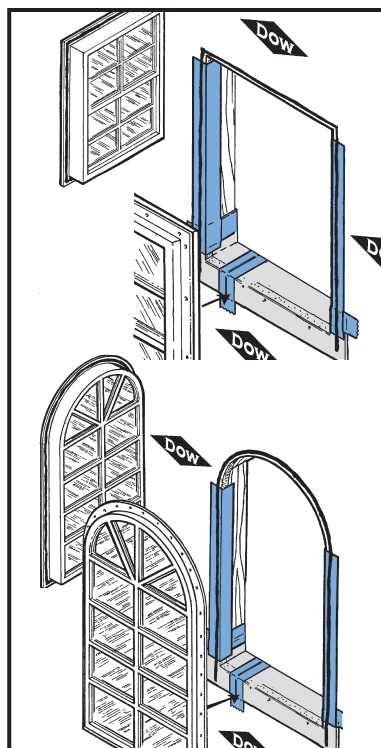
FIGURE 3



4. INSTALL WINDOW AND FLASH JAMBS

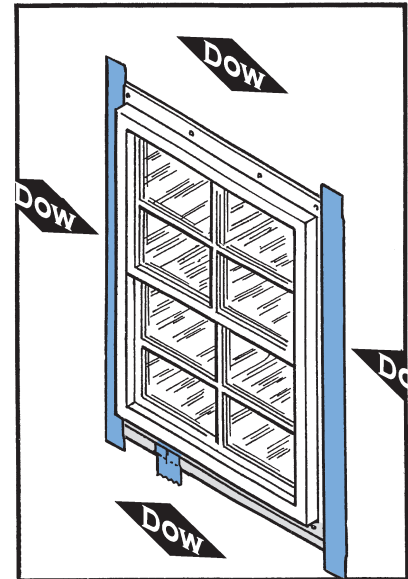
- a. Apply a continuous bead of sealant to the back side of the mounting flange, along the header and sides of the window. For more detailed instructions, contact your Dow representative or visit www.insulateyourhome.com.

FIGURE 4A



- b. Install windows plumb, level and square, according to manufacturer recommendations.
- c. Remove release liner and apply WEATHERMATE™ Straight Flashing along jambs, overlapping WEATHERMATE™ Sill Pan or other sill flashing.

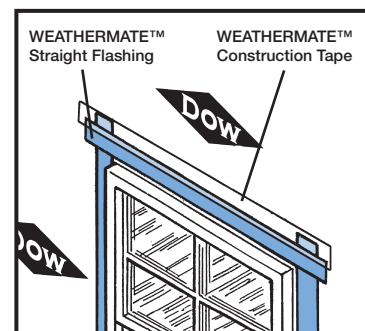
FIGURE 4C



5. FLASH THE HEADER RECTANGULAR WINDOWS

- a. Install WEATHERMATE™ Straight Flashing along header, overlapping and extending past jamb flashings.
- b. Tape head flashing with 2-7/8" (73 mm) WEATHERMATE™ Construction Tape.

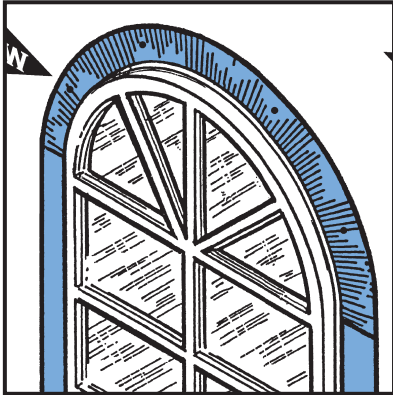
FIGURE 5A-B



CURVED WINDOWS

- c. For curved windows, cut a piece of WEATHERMATE™ Flexible Flashing 1' (30 cm) longer than the arc length of the header.
- d. Install along header. Do not stretch flashing. Header flashing should overlap jamb flashings by a minimum of 6" (152 mm). If necessary, secure outer edges of WEATHERMATE™ Flexible Flashing with plastic cap nails to hold in place.

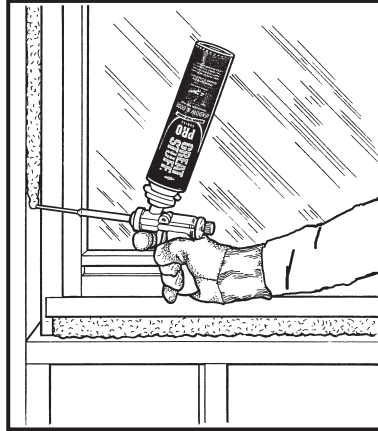
FIGURE 5D



6. AIR SEAL INTERIOR WINDOW PERIMETER

- a. To further reduce air infiltration, seal around interior window perimeter with GREAT STUFF PRO™ Window & Door Insulating Foam Sealant. This sealant features a minimal-expanding, pliable formulation that won't bow windows and doors, when properly installed.

FIGURE 6



Consult the label and Material Safety Data Sheet before using GREAT STUFF PRO™ Window & Door Sealant. Wear long sleeves, gloves and eye protection, and use only in well-ventilated areas or wear proper respiratory protection. For more detailed instructions, contact your Dow representative or visit www.insulateyourhome.com.

NOTICE: No freedom from any patent owned by Dow or others is to be inferred. Because use conditions and applicable laws may differ from one location to another and may change with time, Customer is responsible for determining whether products and the information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be available for sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries or regions. Dow assumes no obligation or liability for the information in this document. References to "Dow" or the "Company" mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY DOW. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

NOTICE: Changes to the International Residential Code require the installation of a water-resistive barrier (WRB) within most exterior wall assemblies in residential construction. The following Dow insulated sheathing products qualify as a WRB when installed according to the installation instructions developed for "installation of foam sheathing as a weather-resistive barrier": STYROFOAM™ DURAMATE™ Plus, STYROFOAM™ Residential Sheathing, STYROFOAM™ Tongue and Groove, STYROFOAM SIS™, STYROFOAM™ Square Edge, STYROFOAM™ Residing Board, DOW™ High Performance Underlayment, THERMAX™ Sheathing, TUFF-R™ and Super TUFF-R™ and therefore do not require the use of a building paper or a housewrap as a WRB. When a WRB is not needed, these Dow foam sheathings may be installed according to standard installation instructions for foam sheathing from Dow. Be sure products and installation instructions meet code requirements for your particular location. Note: WEATHERMATE™ and WEATHERMATE™ Plus Housewraps have already qualified as water-resistive alternatives to the prescribed felt (see Evaluation Reports NER-593 and NER-640 for approved alternative).

STYROFOAM™ Brand Extruded Polystyrene Foam Insulation

CAUTION: This product is combustible. Protect from high heat sources. A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

Dow Polyisocyanurate Insulation

CAUTION: This product is combustible and shall only be used as specified by the local building code with respect to flame spread classification and to the use of a suitable thermal barrier. For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

Dow Polyurethane Foam Insulation and Sealants

CAUTION: When cured, these products are combustible and will burn if exposed to open flame or sparks from high-energy sources. Do not expose to temperatures above 240°F (116°C). For more information, consult MSDS, call Dow at 1-866-583-BLUE (2583) or contact your local building inspector. In an emergency, call 1-989-636-4400 in the U.S. or 1-519-339-3711 in Canada.

GREAT STUFF PRO™ Insulating Foam Sealants contain isocyanate and a flammable blowing agent. Read the labels and Material Safety Data Sheets carefully before use. Eliminate all sources of ignition before use. Wear long sleeves, gloves, and goggles or safety glasses. Provide adequate ventilation or wear proper respiratory protection. Contents under pressure.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including Dow can give assurance that mold will not develop in any specific system.

www.insulateyourhome.com

FOR TECHNICAL INFORMATION: 1-866-583-BLUE (2583)

FOR SALES INFORMATION: 1-800-232-2436

THE DOW CHEMICAL COMPANY

Dow Building Solutions • 200 Larkin • Midland, MI 48674

FOR TECHNICAL INFORMATION: 1-866-583-BLUE (2583) (English) • 1-800-363-6210 (French)

FOR SALES INFORMATION: 1-800-232-2436 (English) • 1-800-565-1255 (French)

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Dow Building Solutions • Suite 2100 • 450 – 1st St. SW • Calgary, AB T2P 5H1

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