

"Highest in Customer Satisfaction with Window and Door Manufacturers"



"Highest in Builder and Remodeler Satisfaction among Residential Window and Patio Door Manufacturers Three Years in a Row"



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Simonton Windows received the highest numerical score among window and door manufacturers in the proprietary J.D. Power and Associates 2010 Windows and Patio Doors Satisfaction Study™ and 2010 Builder and Remodeler Residential Window and Patio Door Satisfaction Study™. Customer Study based on 3,049 consumer responses for new windows/doors purchased in the previous 12 months. Builder/Remodeler Study based on 4,320 responses. Proprietary study results are based on experiences and perceptions of consumers surveyed in March-May 2010. Your experiences may vary. Visit jdpower.com ©2011 Simonton Building Products, Inc. All rights reserved. All trademarks are property of their respective owners.

SPECIAL ADVERTISING SECTION

WINDOWS THE *RIGHT* WAY

A *STEP-BY-STEP* GUIDE TO PROPER *WINDOW* & FLASHING *INSTALLATION*



Step 1: Rough Opening

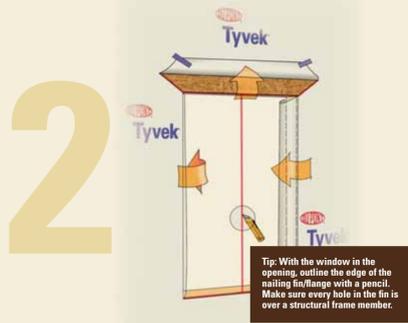
- Create a rough opening that is square and level and sized within $\frac{1}{4}$ " along all edges of the window frame's outside dimension.
- Set the window in the opening to make sure it fits squarely and to check perimeter clearances.
- Remove the window and set it aside.

Window Spec: Simonton Windows ProFinish® Brickmould 600 for New Construction



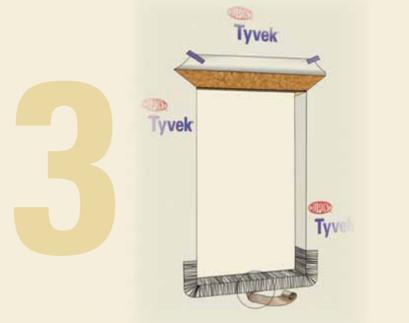
Improper window and flashing installations are by far the most frequent source of service callbacks and warranty claims in new-home construction today, resulting in potential moisture and air infiltration, thermal loss, and expensive callbacks that undermine the energy-cost saving value of today's high-performance fenestration. Research by NAHB and others estimates the average service callback for an improperly installed and flashed window costs about \$200. In some cases, fixing problems is more complex and more expensive than the original installation, placing a significant burden on a builder's profit margin and reputation. Proper window and flashing installation requires attention to the instructions provided by the window and flashing manufacturer. The following is a summary of some of the key steps for proper window installation and flashing techniques, to be used by professional builders and installers as an education, awareness, and training tool to help ensure performance and durability.

The following steps apply to the Simonton ProFinish® Brickmould 600 for New Construction. Other window types and framing designs require different flashing products and installation techniques. See the links below for more information.



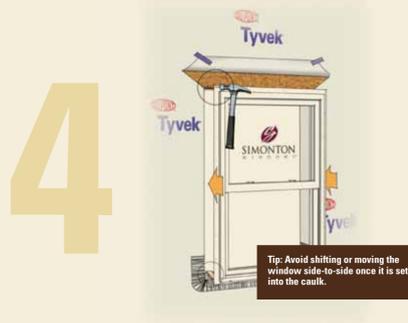
Step 2: Weather Barrier

- Make sure the DuPont™ Tyvek® Weather Barrier is fastened tightly to the exterior wall surface and free of wrinkles or tears.
- **Make an I-cut** in the Weather Barrier starting with horizontal cuts across the bottom and the top of the window opening, then vertically down the middle.
- Fold the side flaps of the Weather Barrier into the rough opening and fasten/secure to the inside wall. Cut away any excess.
- Cut two 45-degree slits a minimum of 8" from the corner to the header to create a flap above the rough opening. Flip up and temporarily fasten the head flap over the opening.



Step 3: Sill Flashing

- Cut a section of self-adhering DuPont™ FlexWrap™ NF that is at least 12" longer than width of the rough opening sill.
- Remove the first piece of release paper along the horizontal portion of the sill. Do not remove the second release paper at this time to prevent stretching.
- Press the flashing firmly to the horizontal sill plate. Fit the flashing **tightly to the corners** and extend it at least 6" up each side into the rough opening.
- Remove the second release paper along the front edge, adhere it to face of the wall's straight run.
- Fan out DuPont™ FlexWrap™ NF at the bottom corners of the sill onto the face of the wall making sure flashing coverage is at least 2" past the outside edge of the sill.



Step 4: Caulk and Set

- Apply a continuous 3/8-inch bead of sealant, such as DuPont™ Residential Sealant, along the inside surfaces of the side and head of the nailing fin/flange, aligned with pre-punched holes. **DO NOT APPLY sealant to the sill portion of the window.**
- Nail fin of the window must be sealed with the proper grade of sealant and flashing, per building code specifications and the exterior wall material, to prevent water infiltration around the window.
- Carefully set the window in the opening and use shims at the top, bottom, and sides of the window to maintain the $\frac{1}{4}$ " gap between the opening and the window frame.
- Nail one side of the head flange/nailing fin, check the window to make sure it is plumb, and square, and adjust with shims, as necessary.



Step 5: Secure the Window

- Nail the other side of the head flange/fin.
- Narrowly open the window sash and **check the reveal for level and evenness across its width** and adjust the shims, as necessary.
- Close the window and fasten it to the wall at every corner and every other predrilled hole in the nailing fin using recommended fasteners and spacing.
- Remove all shims.



Step 6: Expose Weep Holes

- The Simonton ProFinish® Brickmould 600 window for new construction is designed as a **drainable system** using weep holes along its sill to shed incidental water that may intrude the window frame.
- **DO NOT** apply flashing tape or otherwise cover the weep holes along the sill of the window.



Step 7: Jamb/Side Flashing

- Install a 4"-wide section of self-adhering DuPont™ Flashing Tape tight along both sides of the window frame to the DuPont™ Tyvek® Weather Barrier, completely covering the nailing fins.
- Use firm hand pressure or J-roller.
- **Extend the tape at least 6" past the sill and 1" to 2" past the head of the window.**
- Do not reverse shingle. Make sure the DuPont™ Flashing Tape overlaps the DuPont FlexWrap™ NF attached across the sill.



Step 8: Head-Flashing

- Install a 4"-wide section of self-adhering DuPont™ Flashing Tape tight across the head to the DuPont™ Tyvek® Weather Barrier, completely covering the nailing fin.
- Use firm hand pressure or J-roller.
- Extend the tape at least 2" past the jamb flashing to ensure proper shingling.



Step 9: Finish the Job

- Unfurl the flap of Tyvek® Weather Barrier over so it lays flat across the head flashing.
- Tape the cut corners and head of the weather barrier with DuPont™ Tyvek®. **Do not tape the bottom/sill of the window.**
- Tool sealant, such as DuPont™ Residential Sealant, in the interior gap between the window and the rough opening (see window manufacturer's recommended use of sealants, spray foams, and backer rods).

FOR MORE INFORMATION

The steps above cover important elements of proper window installation and flashing. For more details and diagrams, as well as product information, go to:

Simonton Windows: www.simonton.com or 800-746-6686.

DuPont™ Tyvek® Weatherization System: www.construction.tyvek.com or 800-448-9835.

Use and install products per the manufacturers' guidelines. Simonton Windows and DuPont are not responsible for product choice or improper installation. Builders and contractors are responsible for product choices and the suitability of these products for their project. The steps summarized above are elements of proper window and flashing installation and are designed to assist licensed builders and contractors. Installers are expected to identify and properly respond to the installation situations and problems that are not addressed by these instructions. For DuPont product warranty information please see www.tyvek.com. For Simonton product warranty information please see www.simonton.com/service/solutions. Simonton Windows®, the stylized "S" and ProFinish® are registered trademarks of Simonton Building Products, Inc. The DuPont Oval Logo, DuPont™, The miracles of science™ and Tyvek® are trademarks or registered trademarks of E.I. du Pont de Nemours and Company or its affiliates. Copyright 2011, Simonton Building Products, Inc. All rights reserved.

SCAN THESE TAGS



SIMONTON WINDOWS product information



DUPONT™ TYVEK® product information



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DuPont Flashing Systems

INNOVATIVE FLASHING SYSTEMS THAT WORK TOGETHER TO HELP KEEP WATER OUT OF THE HOMES YOU BUILD.

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"Highest in Builder and Remodeler Satisfaction among Residential Window and Patio Door Manufacturers Three Years in a Row"

In this industry, more than any other, dedication to craft yields beautiful results. That's why Simonton Windows® is proud to be ranked "Highest in Builder and Remodeler Satisfaction among Residential Window and Patio Door Manufacturers" for Three Years in a Row™ by J.D. Power and Associates. And this year, we also ranked "Highest in Customer Satisfaction with Window and Door Manufacturers." We're satisfying the industry and the consumer – open your customer's eyes to the beauty of Simonton Windows today.

grand.
opening.

SPECIAL ADVERTISING SECTION

BUILDER BEST PRACTICES WINDOWS THE RIGHT WAY

A STEP-BY-STEP GUIDE TO PROPER WINDOW & FLASHING INSTALLATION

BROUGHT TO YOU BY SIMONTON WINDOWS & DUPONT™ TYVEK® WEATHERIZATION SYSTEM

DuPont™ Tyvek® Weatherization Systems



DuPont™ Flashing Systems
There are many ways that water can find its way through window or door openings in a home. Windows and doors will not perform to homeowner expectations if they aren't properly flashed and leaks occur. By helping direct water to the exterior, DuPont™ Flashing Systems helps to seal the building envelope and protect against water intrusion. In addition, DuPont™ Flashing Systems are quick and easy to install, helping to reduce labor costs.

Complete System of Products

For optimal protection on all your building projects, use DuPont™ Flashing Systems with DuPont™ Tyvek® Weatherization Systems, including DuPont™ Tyvek® HomeWrap®, DuPont™ Tyvek® DrainWrap™, DuPont™ Tyvek® ThermoWrap™, DuPont™ Tyvek® Wrap Caps and DuPont™ Residential Sealant.

For more information, please visit www.construction.tyvek.com or call 1-800-44-Tyvek.

Tyvek.
The miracles of science.™

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SIMONTON W I N D O W S
DuPont™ Tyvek® Weatherization Systems
The miracles of science™



SIMONTON W I N D O W S

Why Simonton?

The quality you want. Simonton is dedicated to crafting the highest quality vinyl windows available anywhere, period. Builders, remodelers and contractors consistently rank Simonton among the highest in satisfaction.

The delivery you need. We don't just deliver the goods, we deliver them faster than anyone else. Simonton pioneered 7-day delivery of made-to-order windows.

The service you demand. We proudly stand behind every window and door we make. Our Simonton Service Solutions team is on hand to provide homeowners with technical support, warranty assistance and expert advice on product care and maintenance.

A warranty you can count on. When you build a great window, you can back it with a great warranty. Our Lifetime Limited Warranty is among the industry's most comprehensive.

The right products. No one window is right for every job, so we offer several lines with features for both new construction and replacement projects. And we provide the options your customers want most, including stylish exterior colors, custom metal hardware finishes and warm interior woodgrain laminates.

The training that keeps you a step ahead. Our job is to help you do yours better. That's why we offer an industry-leading training program, designed to help you work smarter; that includes online and classroom instruction led by trade professionals.



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DuPont™ Flashing Systems

Water can find its way into any building through many avenues. DuPont™ Flashing Systems are an easy means of helping direct water to the building's exterior rather than trapping it inside the wall system and incurring costly damage. By using DuPont™ Flashing products collectively, you can ensure proper flashing and defend against water intrusion in potentially problematic areas.



The miracles of science™



DuPont™ FlexWrap™ NF
A FLASHING MATERIAL FOR SILLS AND CUSTOM SHAPES

DuPont™ FlexWrap™ NF is a conformable, extendable, self-adhered flashing material made of DuPont™ Tyvek®, a premium butyl adhesive layer, and a specially designed, scored release liner. DuPont™ FlexWrap™ NF is uniquely engineered to address the issues of flashing the vulnerable corners of the sill where water damage is most likely to occur.



DuPont™ StraightFlash™ VF
A FLASHING MATERIAL FOR STRAIGHT JAMBS AND HEADS

DuPont™ StraightFlash™ VF is made with DuPont™ Tyvek®, a premium butyl sealant, and a specially designed, scored release liner. This durable flashing material is designed to protect the heads and jambs of rectangular windows. These areas can be subject to wind-driven rain, which can find its way into the window opening and cause water damage.



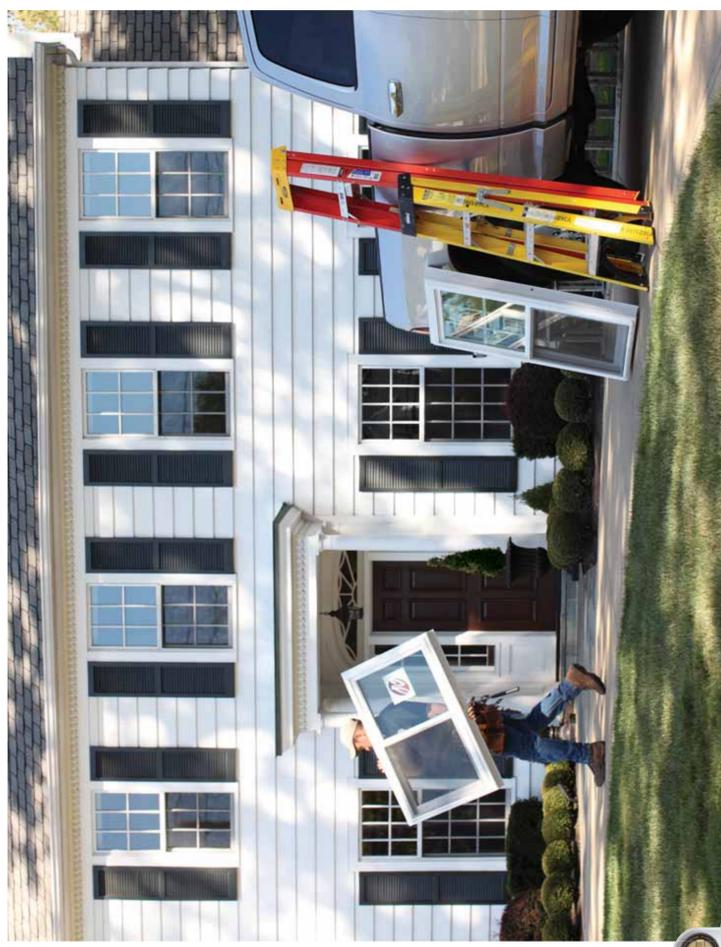
DuPont™ StraightFlash™ VF
A FLASHING MATERIAL FOR BRICK MOLD & NON-FLANGED WINDOWS & DOORS

DuPont™ StraightFlash™ VF (Versatile Flange) provides a reliable moisture seal that integrates brick mold, non-integral flanged and non-flanged windows and doors with the building envelope. DuPont™ StraightFlash™ VF is a dual-sided, self-adhered flashing made with DuPont™ Tyvek®, a premium butyl sealant, and a specially designed, scored release liner.



DuPont™ Flashing Tape
A COST-EFFECTIVE WAY TO PROTECT WINDOWS FROM WATER INTRUSION

DuPont™ Flashing Tape helps protect against water intrusion which can lead to water damage when moisture becomes trapped within the wall system. Providing a durable seal at the window-wall interface, DuPont™ Flashing Tape integrates easily with the complete line of DuPont™ Tyvek® Weatherization Systems products to help seal the building envelope.



INNOVATIVE FLASHING SYSTEMS THAT WORK TOGETHER TO HELP KEEP WATER OUT OF THE HOMES YOU BUILD.

SIMONTON W I N D O W S

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