

Standard Installation Instructions for Vinyl Window Units

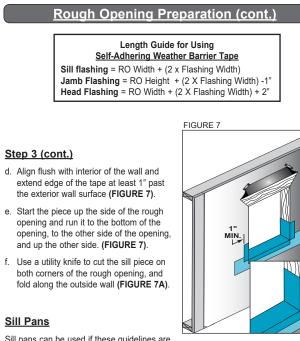
Structures Have Weather Resistant Barrier Applied Prior to Installation



IMPORTANT: Please read completely before you begin.

A A CAUTION - IMPORTANT A A & doors may cause this paint to be disturbed. To decrease this risk sposal/recycling of previously installed windows/doors must follow local lations. In order to further minimize exposure to lead-based paint dust, ease consult www.epa.gov-/lead for more information.

Part No. 1279554 Rev. 4 + 10/17 + Printed in U.S.A. + ©2017 Weather Shield Mfg., Inc.



Sill Pans

Sill pans can be used if these guidelines are followed:

· Commercial pans must follow manufacturer's installation instructions.

· Must be water tight

· Must not be fastened through drainage area

· Must be caulked prior to installation

Must drain to the exterior so window sill will not sit in water.

· Must preserve integrity of weather resistant barrier's drainage system.

4

Self-Adhering Weather Barrier Tape Application (cont.)



Installation is ready for finish and trim.

IMPORTANT: Do not over pack

Loosely insulate between the window frame and rough opening with fiberglass. OR

You can use minimal expansion foam products specifically designated and certified as meeting ASTM and AAMA requirements for "door or window use" to fill the shim space between the window frame and the rough opening. Foam manufacturer's installation and curing instructions must be followed.

11

GENERAL INFORMATION

IMPORTANT: Thoroughly read and follow these instructions. Failure to install as recommended will void any warranty, expressed or implied. Before installation, check building codes for the area in which these windows are being installed to ensure proper compliance. The installation instructions that follow are based on typical frame construction. Specific applications may differ. The window manufacturer recommends that you consult a qualified installation professional. The window manufacturer is

IMPORTANT: A number of jurisdictions have adopted building code design pressure requirements that require window and door products be installed in the same way they were installed for laboratory testing. To comply with these requirements, we are pleased to supplement the installation instructions with *Part No. 1200309 "Standardized* Window Installation Instructions For Maintaining Design Pressure Ratings"

Sealant must be applied in all installations. Follow guidelines below and details contained in the following installation instructions for non-rated installation

• A 3/8" sealant bead must be applied to the rough opening (or the back of the nailing fin so that the sealant aligns with the pre-punched holes. Do not caulk the sill nail ing fin or the sill area of the rough opening.

 The nailing fin must contact the sealant continuously along the head and sides of the unit and must fully contact the exterior face of the wall around the window's

entire perimeter. · A shim space is required around all sides of the window to allow for structure movement seasonal expansion and contraction and to provide space for insulation. The bugh opening must provide a shim space that does not exceed 3/8" on all sides (3/4" total for either width or height) for units with a nailing fin.

· If a shim space greater than listed exists on the interior or exterior of the unit, use solid continuous furring material to fill this space until the maximum shim allowance is achieved.

 Accessories, such as jamb extension, may alter unit width and height. Check rough pening size vs unit size accordingly.

Furring material must be solid, continuous, and run the full height and/or width of the rough opening. Furring strip depth must be at least equal to window jamb depth

ADDITIONAL NOTES FOR INSTALLATIONS:

FIGURE 1

FIGURE 1

FIGURE 12

EIFS or Synthetic Stucco

this problem.

within the wall system.

· For any installation that has exposed fasteners, it is recommended to use those made of 300 series stainless steel. Follow your local codes if they specify a different series of stainless steel.

· Certain options, accessories, and warranty considerations require the unit be installed using installation clips. Contact your customer service representative for additional

Rough Opening Preparation (cont.)

Step 4

(FIGURE 10).

ooth operation

continuina.

the sill.

Products With Synthetic Stucco

Many experts agree that a certain amount of water or moisture can be expected to

enter almost any building exterior system. The building system should allow such water

wall system, which can cause serious damage to wall and other building components.

Moisture problems in any type of building structure can be reduced by proper design

flashing and/or sealing of all building exterior penetration points, use of appropriate

materials and construction techniques, adherence to applicable building codes, and

the manufacturer of the exterior wall finish products. Questions and concerns about

moisture management issues should be taken up with these professionals. The window

manufacturer is not responsible for problems or damages caused by deficiencies in

12

including allowances for management of moisture within the wall system.

the rough opening.

a. Check the rough opening sill for level

NOTE: If level isn't long enough

to reach across entire sill use a

straightedge under the level. It

leasure the opening diagonally

from corner-to-corner (FIGURE 11).

The measurements should not differ

more than 1/4". Fix problems before

face of the wall and the nailing fin or

exterior casing trim (FIGURE 12).

. Caulk around the head and sides

of the rough opening. Do not caulk

NOTE: If you prefer, caulk can be

applied to the back of the nailing

fin or (exterior casing) instead of

When the window is installed the

caulk bead must contact the nailing

fin or exterior casing continuously so it

casing against the face of the wall.

seals the nailing fin and/or exterior

must be straight & level to ensure



SAFETY-ALERT SYMBOLS

The perimeter joint between window exteriors and exterior building materials must conform to siding manufacturers' recommendations. All masonry, stucco, or synthetic stucco stems require an expansion joint around the window perimeter that must be filled with

sealant compatible with the building material Expansion joint space should be no less than 3/8" and not greater than 1/2" unless

stated otherwise by your siding manufacturer If there is a conflict, follow siding manufacurer's guidelines. Failure of this joint will cause structural dam-

age unrelated to window performance

FIGURE 1

Window Installation

IMPORTANT: When accessories such as jamb extension have been ordered, follow guidleines shown below to determine where it should be applied prior to or after window installation

Jb. Ext. Type When Applied to Uni Wood (FIG. 1) Before Installation /C (FIG's. 2 & 3) Before Installation After Installation Vinyl (FIG. 4)

Step 1

- Apply a continuous 3/8" bead of a. Make sure sash is closed and locked, silicone sealant around the sides and remove all shipping and packing matehead of the rough opening perimeter rial from the unit, and ensure unit's Locate sealant so it does not intrude drainage (weep) holes are at the botinto the opening, aligns with the pretom, and free of obstructions. punched nailing fin holes, and will also provide a continuous seal between the Immediately after applying sealant
 - around rough opening or to back of nailing fin, lift and center window in the opening from the exterior (FIGURE 1).
 - c. Level unit on the interior or exterior across the sill and head.
 - d. Place shims at side jamb locations as necessary to level the unit.
 - **NOTE:** To provide sill insulation space, add shims at the sill.

IMPORTANT: If unit is mulled, it must be shimmed at the sill under each mull jamb for proper suppor

Weather Shield Visions[®] Vinyl Warranty

ubject to the conditions, exclusions and limitations that follow, the manufacturer of VISIONS® Serious concerns have been raised about excessive moisture problems in homes and brand products, WEATHER SHIELD Mfg., Inc. ("WEATHER SHIELD") warrants their VISIONS® Hardware – Ten Years other buildings that have Exterior Insulation Finish Systems, commonly referred to as brand products to be free from defects in material and workmanship as noted below. All Hardware shall be free from defects in material and workmanship for a period of TEN (10) years. referenced times are in relation to date of manufacture. Warranty effective date: October 4, 2017. nnovations: Symmetry Balance System[®], EasyCare[®], Zo-e-shield

WARRANTY COVERAGE

and moisture to escape or "weep" to the exterior, so no damage occurs. However, Vinyl Main Frame and Sash - Lifetime Warranty

some EIFS systems may not allow water or moisture that penetrates the wall system WEATHER SHIELD warrants that its vinyl main frame and sash shall be free from defects in • Exterior surfaces of the hardware must be cleaned with a mild detergent soap and water at to "weep" to the exterior. This can cause excessive moisture to accumulate within the material or workmanship for its LIFETIMÉ to the original owner of the owner-occupied, singlefamily residence in which they are initially installed for as long as they own and occupy the It has been reported that so-called "barrier" EIFS systems are particularly prone to residence unless specified below.

Painted Finishes on Vinyl - Ten Years

WEATHER SHIELD warrants that its factory-applied painted finishes will not peel, blister, or flake Moisture problems in any type of building structure can be taking into account and construction with appropriate moisture control considerations, taking into account TEN (10) years. Factory-applied patheet minimum structure of the taking of taking of the taking of takin alteration caused by the use of natural or chemical solvents or an environmental factor causing such damage.

Fading or changing in color of the factory-applied painted finishes is not a defect unless it exceeds Glass Stress Cracks - One Year general attention to proper design and workmanship of the entire building system, five (5) E units, calculated in accordance with ASTM D2244, paragraph 6.2. Color change shall be five (5) E units, calculated in accordance with ASTM D2244, paragraph 6.2. Color change shall be five (5) E units, calculated in accordance with accordance five (5) E units, calculated in accordance with rolling Deleters, periodicipite and on an exposed colored surface that has been cleaned of soils, and the corresponding Transferability – Ten Years Determination of proper building design, components and construction, including mois-ture management, are the responsibility of the design architect, the contractors, and the manufacturer of the exterior wall finish products. Questions and construction, including mois-the manufacturer of the exterior wall finish products. Questions and constructions replacement, we may choose to refinish the product.

Commercial Applications - Ten Years

single-family residences unless specified below.

Other Parts - Twenty Years All other parts on VISIONS[®] brand products, unless specified below, are warranted to be free from

defects in material and workmanship for a period of TWENTY (20) years. Insulated Glass – Twenty Years

Insulated glass shall be free from defects in material or workmanship for a period of TWENTY (20) YEARS unless specified below.

WARRANTY INFORMATION

Laminated Glass – Five Years

(5) years.

Laminated glass shall be free from defects in material and workmanship for a period of FIVE tarnishing) or damage at construction site.

Decorative Glass - Five Years

Table of Contents & Tool & Material Requirement

General Information

Safety Alert Symbols & Special Note About Masonry ...

Table of Contents

Rough Opening Preparation

Measuring Tape, Level, Utility Knife, Rubber Roller, Clear Silicone Sealant, Sealant Gun, and Self-Adhering Weather Barrier Tape (size as required by local code).

Window Installation .

Measuring Tape, Shims, Hammer, #8 Steel Screws or Roofing Nails (fasteners must be long enough to penetrate framing material by at least 1-1/2"), Electric Drill w/Screwdriver Bit, Pry Bar, Straightedge, Level

Self-Adhering Weather Barrier Tape Application...

Utility Knife, Scissors, Cloth Tape, Clear Silicone Sealant, Sealant Gun, Rubber Roller

Products With Synthetic Stucco.

The window manufacturer reserves the right to change product specifications, installation procedures, materials, prices, and terms of purchase without notice.

Window Insta

<u> Step 1 (cont.)</u>

- Secure one side top corner with either a rust proof roofing nail or a #8 steel screw. Any fastener must be long enough to penetrate the framing material by at least 1-1/2" (FIGURE 2)
- While holding unit in place, square and plumb jambs. Check both side-toside and inside-to-outside. Measure unit from corner-to-corner to check for square (FIGURES 3A - 3D).
- To plumb, level and square, use a pry bar to shift unit and shim from the interior as needed.
- Secure opposite top corner. Check again for level plumb and square Use shims and a straightedge to straighten the side and head jambs.

ACAUTION Ensure the unit is held rmly in place while performing the following steps.

Step 2

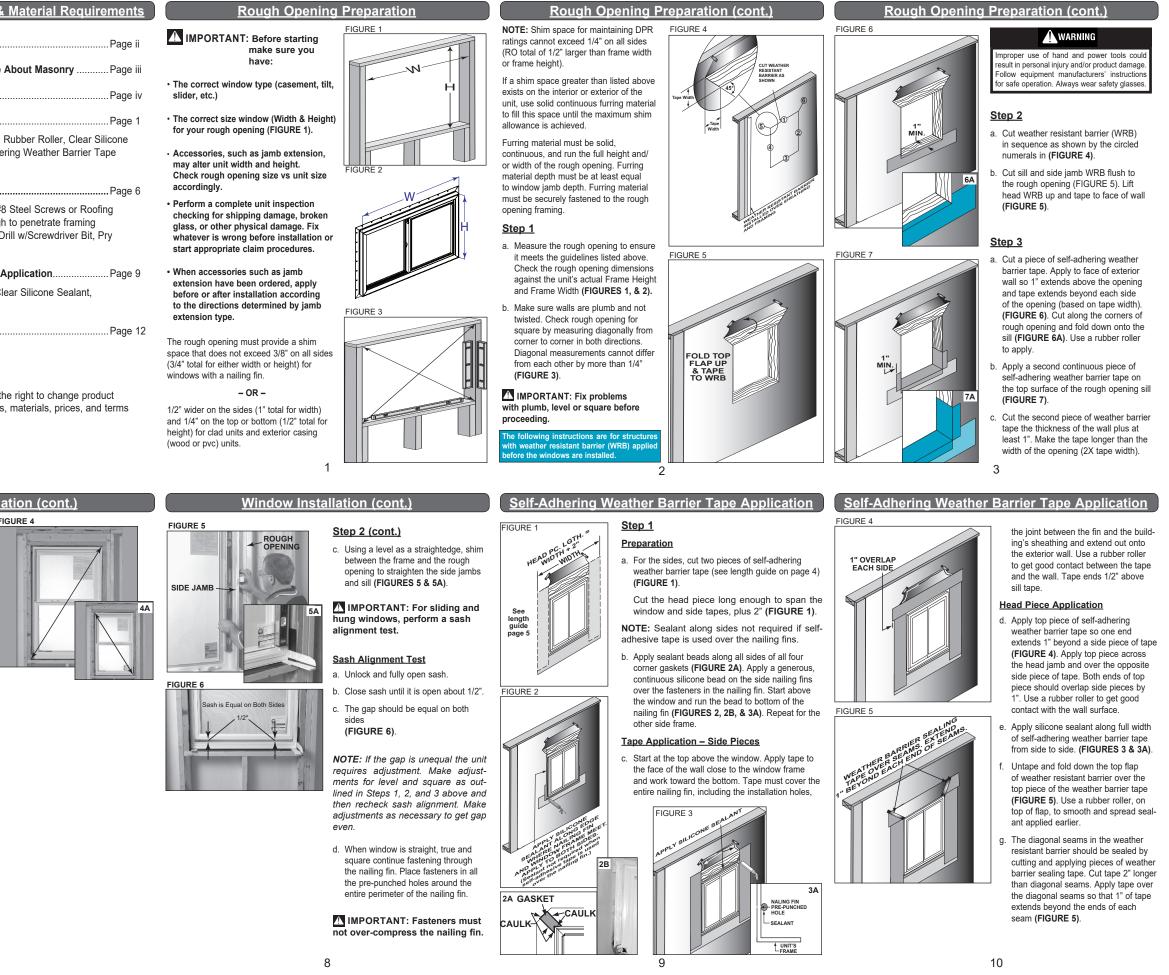
- . Measure the entire window assemblv diagonally in both directions (FIGURES 4 & 4A).
- Shim the top and bottom ends of the side jamb on the left or right (FIGURE 2) to get the diagonal measurements (FIGURES 4 & 4A) of the entire window assembly exactly the

other corrosive materials.

be final.

Hardware Finish within 2 miles of seacoast – Ten Years Corrosive-resistant finishes and seacoast hardware packages installed within two miles of a corrosive environment shall be warranted for TEN (10) years unless marred or scratched. The below conditions/exclusions apply

normal and not a product defect (i.e. jamb extension).



Decorative glass shall be free from defects in material and workmanship for a period of FIVE • Minor scratches, slight glass curvature or glass imperfections are natural variances in glazing and do not impair structural integrity or significantly obscure normal vision

· Repairs, refinishing or similar activities involved when skilled labor installs or replaces products

· Condensation and any related water damage (such as mold or wood rot due to water or ice build

peratures, do not indicate a defect. Contact a heating/cooling specialist to assist.

up), which occur as a result of humidity within the property or changes in the interior/exterio

• Products installed in a non-vertical position, discoloration of non-visible parts, or failures or

operating difficulties due to accident, acts of God, abuse, misuse, alteration, exposure to the

not limited to, obstruction of weep holes. Installation of units must be finished and operated in

· Failures or operating difficulties resulting from use of high-expansion foam insulation

incompatible sealant, cleaning agent, or exposure to corrosive, unusual, harmful or aggressive

substances, acid rain, fumes or condensates, subjection to abnormal stress from localized

• Any installations at an altitude over 3,500 feet above sea level unless capillary tubes have been

installed or a HIGH ALTITUDE GLASS PACKAGE is used, which provides limited coverage.

• VISIONS® brand products that are stacked or mulled with products manufactured by others.

ADDITIONALLY

infiltration. The determination of proper building design and moisture management (through an

overhang or otherwise) is the responsibility of your building designer, architect or contractor.

application of heat, excessive vibration or movement of buildings or foundations or to other

accordance with our installation instructions attached to each unit.

unless WEATHER SHIELD's multi-point lock system is used with the door.

abnormal physical stress or use in high humidity areas.

hardware, lock sets, strikes, or panning systems.

Insulated units with capillary tubes will not have inert gas fill.

affected unit.

elements, improper or insufficient handling, storage, maintenance or service including, but

least every two months, and more frequently if necessary to prevent build-up of salt and/or

• All determination as to whether there is abnormal corrosion and whether it is the result of a manufacturing defect shall be made by WEATHER SHIELD and those determinations shall

· Because the environment (within two miles of an ocean coastline and any area subject to acid rain) can be extremely harsh and corrosive, it is normal for windows and doors installed in these ... Products installed in buildings with cladding systems that do not allow for proper management/ environments to deteriorate more than those installed in other environments, even with proper drainage of moisture (e.g. EIFS or synthetic stucco without an engineered drainage system). maintenance. This warranty only covers abnormal corrosion.

COVERAGE

Should any VISIONS® brand products or components of products be determined by WEATHER building design, construction or maintenance, failure to install our products properly, or WEATHER SHIELD warrants that its products shall be free from defects in material or workmanship within the applicable warranty period, use of our products in systems that do not allow for proper management of moisture workmanship for the period of TEN (10) years in structures that are other than owner-occupied, WEATHER SHIELD will, at its option, repair the products or components at no charge, or provide • Products with modifications (e.g. customer applied paint finishes, tints, films) or security systems replacement products or components at no charge, or refund the original purchase price of the without prior approval. products containing the defective components. Decisions as to whether to repair, replace or refund shall be made by WEATHER SHIELD in its sole discretion. Replacements will be the closest equivalent current product and may not exactly match the original. Replacements will be delivered to the original point of purchase with no shipping charges. If shipment direct to the consumer is requested, normal shipping and handling charges will apply.

NON COVERAGE

 Normal wear and tear or weathering is considered normal and not a product defect. • Normal wear and tear of hardware and hardware finishes that can naturally occur (e.g. corrosion,

· Normal wear and tear, weathering and natural variations in wood color or texture are considered

WARRANTY INFORMATION

WARRANTY INFORMATION

than ONE (1) year from the date of the claim to permit the door panel to adjust to temperature IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE and humidity in its installed position.

• The performance of windows and doors may be affected by factors beyond WEATHER SHIELD's control. Examples include handling and installation, construction details of the building, exposure conditions, maintenance, normal wear and tear, and migration of inert gas. PROPERTY Structural or thermal ratings are for comparison purposes only. While VISIONS brand products are manufactured to meet or exceed published ratings, it is not possible to guarantee that they Some states do not allow limitations on how long an implied warranty lasts, and some states do will meet or exceed those ratings after they have been installed.

• WEATHER SHIELD is not responsible for removing any defective products from the structure in which they are installed, or for installing any replacement products or components provided by WEATHER SHIELD pursuant to this limited warranty, or for any painting, refinishing or other ork necessary to complete the installation of replacement products or components, all of which Limited Warranty and the remainder of the Limited Warranty will be given full force and effect. shall be the consumer's responsibility.

CLASS ACTION AND JURY TRIAL WAIVER

YOU AGREE THAT ANY DISPUTE TO INCLUDE, BUT NOT LIMITED TO, BREACH OF CONTRACT, BREACH OF WARRANTY, CLAIMS BASED IN TORT, NEGLIGENCE, PRODUCT LIABILITY, FRAUD, MARKETING, STATE OR FEDERAL REGULATIONS, ANY CLAIMS REGARDING THE ENFORCEABILITY OF THIS LIMITED WARRANTY, AND THE WAIVER OF JURY AND CLASS ACTION TRIALS ("DISPUTED CLAIMS") MUST BE BROUGHT IN inyl parts or weather strip that has non-factory-applied paint or stain voids the warranty of the YOUR INDIVIDUAL CAPACITY, AND NOT AS A PLAINTIFF OR CLASS MEMBER IN ANY PURPORTED CLASS OR REPRESENTATIVE PROCEEDING. YOU ALSO AGREE THAT • Warpage or air/water infiltration on any swing door with a call-out height of greater than 6'10" YOU AND WEATHER SHIELD ARE EACH WAIVING THE RIGHT TO A TRIAL BY JURY AND AGREE TO HAVE ALL DISPUTES HEARD AND DECIDED SOLELY BY A STATE OR FEDERAL COURT

OPT-OUT PROCEDURE

• Products or components not provided by WEATHER SHIELD including but not limited to YOU MAY CHOOSE TO OPT OUT OF THE CLASS ACTION AND JURY TRIAL WAIVER BY SUBMITTING A WRITTEN OPT-OUT FORM THAT CAN BE FOUND ON WEATHER SHIELD'S WEBSITE, WWW.WEATHERSHIELD.COM/OPTOUT, WITHIN SIXTY (60) DAYS FROM THE DATE YOUR WEATHER SHIELD PRODUCT IS INSTALLED OPTING OUT OF THE CLASS ACTION AND JURY TRIAL WAIVER WILL NOT AFFECT ANY OTHER TERMS OF THIS LIMITED WARRANTY WHICH WILL REMAIN IN EFFECT.

Applicable Law

All Disputed Claims shall be governed and construed in accordance with the internal laws of the • ADA-compliant sills are not designed nor are they intended to manage moisture or water State of Wisconsin, regardless of any choice of law doctrine.

GENERAL PROVISIONS

Selection and purchase of VISIONS® brand products which conform to all applicable building • Warping of a door shall not be deemed to be a product defect unless the warping is in the door panel itself and then only if the warping is more than one quarter inch. The amount of warp shall panel itself and then only it the warping is hole than one quarter inclusion to the ansolution of the installed be determined by placing a taut wire or string or straightedge across the face of the installed door panel thought to be concave and measuring the amount of warp at the point of the greatest distance between the bottom of such wire, string or straightedge and the face of the door panel. contractor, architect or engineer for specific requirements. WEATHER SHIELD may, at its option, defer action on a warping claim for a period of not more

HERE ARE NO OTHER EXPRESS WARRANTIES EXCEPT AS SET FORTH HEREIN. ANY

WARRANTY INFORMATION

WARRANTY INFORMATION

WARRANTIES SET FORTH IN THIS LIMITED WARRANTY. WEATHER SHIELD SHALL NOT BE LIABLE FOR APPLICABLE TAXES OR ANY INCIDENTAL OR CONSEQUENTIA DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGE OR LOSS TO PERSONS OR OTHER

ARE LIMITED IN DURATION TO THE PERIODS OF COVERAGE OF THE EXPRESS

not allow the exclusion or limitation of incidental or consequential damages, so these limitations and exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

NO DISTRIBUTOR, SALESPERSON, DEALER, RETAILER OR OTHER REPRESENTATIVE OF VISIONS® BRAND PRODUCTS HAS THE AUTHORITY TO ALTER OR CHANGE THESE WARRANTIES OR TO MAKE ANY OTHER WARRANTY EITHER VERBALLY OR IN WRITING.

Effective Date: October 4, 2017