

Decay thrives on moisture.

Decay damage is a major concern of everyone who owns property. And it's no wonder! Estimates show that replacement materials required to repair decay damage consume up to 10% of the U.S. annual wood production.

Although wood looks and feels solid, it's actually made of millions of porous, thick-walled cells that are bound together. Given the right conditions, decaying fungi can thrive, break down this cellular structure, and ultimately destroy wood. The greatest risk for decay is at exposed wood ends, such as the sill ends of door frames where moisture is more readily absorbed than on the side surfaces. Once decay has begun, it offers a natural environment for wood-destroying insects, which can cause additional serious damage to the wood's integrity.

**Frame Defense-Plus™
with its Rot-Resistant PVC
Bottom eliminates the
wicking of water at the sill
end of the frame.**

Guard Against Attack



Frame Defense-Plus Rot-Resistant PVC Bottom Exterior Door Frame

Limited Lifetime Warranty Exterior Door Frames

Frame Defense-Plus provides an effective method of controlling moisture using PVC at the sill end of the frame that will not wick or absorb water



Information and specifications within this brochure may change without notice.

Care and Finishing of Frame Defense Exterior Door Frames

1. The Frame Defense-Plus Product may be cut or trimmed at the head and end but if trimmed at the sill end the PVC piece must extend at least 3" and must be positioned at the bottom of the installed door frame. Routing for hinges and locks may be done to the door jambs and mull posts.
2. Store in a clean, dry area—not in damp, moist, or extremely humid environments. Wood is hygroscopic and dimensionally influenced by changes in moisture content caused by its surrounding environment.
3. Door units must be lifted and carried when being moved—not dragged.
4. The rough opening should be no more than 1-1/2" wider and no more than 1" higher than the outside dimensions of the door system frame (jamb). The rough opening should be no more than 1/8" out of plumb over the height of the opening. The subsill (the bottommost horizontal structural member of the rough opening) should be capable of being leveled to within +1/16" over the width of the opening, but not sloped to the interior of the home.
5. Apply mastic or sealant to the rough opening as required. Particular attention should be paid to forming a positive seal beneath the sill or threshold.
6. Locate the frame of the door system within the rough opening and shim so that the frame is plumb, square, and level. Particular attention should be paid to shimming behind the strike and hinge areas of the frame.
7. **ANCHOR THE FRAME TO THE ROUGH OPENING. Do not anchor the frame by the exterior trim only.** Anchors and fasteners for the strike plate and hinges should penetrate through the frame of the door system and into the structural framing of the rough opening to provide secure anchorage and maximum holding strength.
8. Install flashing at the head, jambs, and sill as required to preclude penetration of water into the wall cavity.
9. Seal all joints between the frame of the door system and the rough opening. Fill all gaps of 1/4" or more with backup or filler materials such as foam or fibrous insulation. Use only sealants recommended by the manufacturer for the intended application and apply in accordance with the sealant manufacturer's installation instructions.
10. Field repairs and touchups are the responsibility of the installing contractor and painter. Field touchups shall include filling of nail or screw holes, refinishing of raw surfaces resulting from job fitting, repair of job-inflicted scratches and mars, and the final cleaning of surfaces prior to painting.
11. Surfaces to be painted must be thoroughly dry and free of dust, dirt, oil, grease, wax, chalk, and other contaminants.
12. Temperatures and humidity have a major effect on drying and may affect paint film characteristics. Paint should be applied at product, surface, and air temperatures between 50 and 90 degrees Fahrenheit unless the product label specifies differently. Relative humidity should be below 85%.
13. Primer is formulated to provide a high-quality base for a wide variety of commercially available topcoats with good resultant adhesion and durability. Because it is designed to accept topcoats, a primer by nature is highly filled (flat) and will chalk and break down slowly with UV exposure if not top coated within a short time span. **TWO COATS OF HIGH-QUALITY ACRYLIC PAINT MUST BE APPLIED TO THE FRAME WITHIN 30 DAYS OF INSTALLATION.** Each coat of paint should be applied evenly. Make certain that the surfaces are dry before applying another coat. Again, be sure to apply paint in accordance with the manufacturer's instructions.
14. Do not paint the weatherstrip.
15. **ROUTINE PAINTING, CAULKING, AND MAINTENANCE MUST BE PERFORMED AS NECESSARY TO MAINTAIN A PROPERLY PAINTED AND SEALED SURFACE.**

Frame Defense-Plus Rot-Resistant PVC Bottom Door Frames

Limited Lifetime Warranty Terms and Conditions

All Frame Defense-Plus Rot-Resistant PVC Bottom Door Frames, hereafter referred to as the "Frame Defense-Plus Product(s)" sold by Cascade Wood Products, Inc., hereafter referred to as the "Company", are subject to this Exterior Door Frame Limited Lifetime Warranty, hereafter referred to as "this Limited Lifetime Warranty".

Limited Lifetime Warranty

The Company warrants that its products, if properly stored, transported, used, and installed according to the enclosed Care and Finishing instructions, will be free of defects in material and workmanship and free of rot and decay for as long as the original purchaser or subsequent owner own the Frame Defense-Plus Product.

If the Frame Defense-Plus Product that is the subject of this Limited Lifetime Warranty fails during the warranty period for reasons covered by this Limited Lifetime Warranty and the purchaser submits the written service request required under this Limited Lifetime Warranty, the Company will:

REPLACE THE FRAME DEFENSE-PLUS PRODUCT AND PROVIDE UP TO \$250.00 IN LABOR COSTS.

Extent of This Limited Lifetime Warranty

This Limited Lifetime Warranty does not cover damage due to external causes, including, but not limited to, accidents, misuse, neglect, alteration, repair, or improper installation or maintenance.

Care and Finishing instructions are included with the packing materials you received with this Frame Defense-Plus Product. Any use or care not in accordance with these Care and Finishing instructions voids this Limited Lifetime Warranty, and any damage caused by such use or care is not covered under this Limited Lifetime Warranty.

This Limited Lifetime Warranty is limited to the original purchaser or subsequent owner. This Limited Lifetime Warranty is effective only for the original place of installation.

Warranty Service

To obtain warranty service, the purchaser must submit a written service request to:

Cascade Wood Products, Inc.
P.O. Box 2429, White City, OR 97503

A written service request must include proof of purchase along with a picture and written explanation of the problem.

Warranty Limitations and Exclusions

THIS LIMITED LIFETIME WARRANTY REPLACES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE COMPANY MAKES NO EXPRESS WARRANTIES BEYOND THOSE STATED IN THIS LIMITED LIFETIME WARRANTY. **THE COMPANY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

SOME LAWS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, SO THIS LIMITATION MAY NOT APPLY TO YOU. IF THESE LAWS APPLY, ALL EXPRESS AND IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. NO WARRANTIES APPLY AFTER THAT PERIOD. SOME LAWS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU.

The use of any sample or model during the negotiations leading to the purchase of the product serves merely to indicate a type of product that will be tendered to the purchaser. These samples or models create no warranty that the product will conform to the samples or models.

Limitations of Liability

THE COMPANY'S RESPONSIBILITY UNDER THIS OR ANY OTHER WARRANTY, IMPLIED OR EXPRESSED, IS LIMITED TO REPLACEMENT AND UP TO \$250.00 IN LABOR COSTS, AS SET FORTH AT LEFT. THIS REMEDY IS THE SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY. **THE COMPANY IS NOT RESPONSIBLE FOR INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR UNDER ANY OTHER LEGAL THEORY, INCLUDING, BUT NOT LIMITED TO, LOST PROFITS, DOWNTIME, AND ANY DAMAGE TO OR REPLACEMENT OF EQUIPMENT AND PROPERTY.** SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. THIS LIMITED LIFETIME WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM JURISDICTION TO JURISDICTION.

This Product incorporates the patented FRAMESAVER® technology under licenses from Endura Products, Inc., of Colfax, N.C. and may be covered by one or more of the following U.S. Patent Nos. 5,661,943; 5,873,209; 5,950,391; 6,122,882; 6,425,222; 6,446,410; 7,100,339 and foreign equivalent patents.