

## Decay thrives on moisture.

Decay damage is a major concern of everyone who owns property. And it's no wonder! Current estimates show that replacement material, 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 jambs, brick mould, mull casing, and mull posts, 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.

## Decay needs certain conditions to thrive, including:

- A moisture content of 25% or higher
- Oxygen
- Food
- A temperature of 45 to 100 degrees F

In these conditions, controlling moisture is the most practical means of preventing or inhibiting decay. Frame Defense provides an effective method of controlling moisture using a combination of a high quality wood preservative treatment, and sealing the end grain with an advanced moisture barrier.



[www.cascadewood.com](http://www.cascadewood.com)

Information and specifications within this brochure may change without notice.

Printed in the USA

© 2003 CW 4851

# Guard Against Attack



## FRAME DEFENSE™

## Limited Lifetime Warranty Exterior Stain-Grade Door Frames

*Frame Defense provides an effective method of controlling moisture using a combination of a high quality wood preservative treatment with a specialty formulated end seal to create an advanced moisture barrier.*

## Care and Finishing of Stain-Grade Frame Defense Exterior Door Frames

1. The jambs, brick mould, mull casing, and mull post **MUST NOT BE CUT, TRIMMED, OR REMACHINED IN ANY WAY** (except to route for hinges and lock).
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 should be lifted and carried when being moved—not dragged.
4. The rough opening should be no more than 1" 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 lockstrike 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 lockstrike 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 sills 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 finisher. Field touchups shall include the 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 finishing.
11. Surfaces to be finished 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 finish film characteristics. Finish should be applied at product, surface, and air temperatures between 50 and 90 degrees F unless the product label specifies differently. Relative humidity should be below 85%.
13. All Stain-Grade Frame Defense Exterior Door Frames and Caps & Bases are fully immersed in Woodtreat® MB water-repellent preservative. Woodtreat MB is a clear preservative solution that penetrates deep into the wood. It has been formulated for maximum compatibility with primers and topcoats. The 3-iodo-2 propynyl butyl carbamate formula provides effective protection against mold, mildew, and staining and decaying fungi. It improves the dimensional stability and aids in the control of shrinking, swelling, end checking, splitting, grain raising, and warping. It conforms to Industrial Standard 1S4-81, is approved by N.W.W.D.A., and meets all current and proposed government standards. **TWO COATS OF HIGH-QUALITY FINISH MUST BE APPLIED TO THE JAMBS, BRICK MOULD, MULL CASINGS, AND MULL POST WITHIN 30 DAYS OF INSTALLATION.** Each coat should be applied evenly. Make certain that the surfaces are dry before applying another coat. Again, be sure to apply finish in accordance with the manufacturer's instructions.
14. Do not paint or stain the weatherstrip.
15. **ROUTINE PAINTING, FINISHING, CAULKING, AND MAINTENANCE MUST BE PERFORMED AS NECESSARY TO MAINTAIN A PROPERLY FINISHED AND SEALED SURFACE.**

# Frame Defense Exterior Door Frame

## Limited Lifetime Warranty Terms and Conditions

All Frame Defense Exterior Door Frames, hereafter referred to as the “Frame Defense 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 Frame Defense 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 owns the Frame Defense Product.

If the Frame Defense 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 PRODUCT WITH A PRODUCT THAT IS FUNCTIONALLY AT LEAST EQUAL TO THE FRAME DEFENSE PRODUCT BEING REPLACE AND PROVIDE UP TO \$100 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 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 and is not transferable. 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: (1) proof of purchase, (2) a copy of this Limited Lifetime Warranty, and (3) an 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 \$100 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.