



Wood Treated Right™



FrameGuard® Mold-Resistant Wood: Design and Specification Details

FrameGuard® mold-resistant wood provides protection against mold, termites and fungal decay -- in trusses, framing, OSB, wood I-beams, SIPs, and other wood products used in interior applications.

It is coated with a blend of proprietary anti-mold and borate chemicals. The borate component is effective against decay and also protects against termite damage. This combination of ingredients keeps lumber looking cleaner and brighter during storage and construction, thus precluding dissatisfaction and exchanges.

By using FrameGuard® wood, clients get a mold-resistant product while specifiers reduce their exposure to costly liability claims.

EFFICACY

A field study comparing wood samples, both treated with FrameGuard™ coating and untreated, has demonstrated the effectiveness of the protection. Exposed to the elements (not shielded from weather as in actual use) in the demanding environment of Ft. Myers, Fla., the test samples showed that FrameGuard™ coating provided excellent protection against mold growth on both southern pine and spruce/pine/fir.

Another study, conducted by an independent organization, tested various alternatives and revealed the superiority of FrameGuard® wood. A copy of the study report is available from Arch Wood Protection, Inc.

WARRANTED PERFORMANCE

FrameGuard® wood carries a limited warranty. For details, please read the warranty at www.frameguardwood.com.

EFFECT ON INDOOR AIR QUALITY

FrameGuard® wood has been certified to meet the requirements of the GREENGUARD Environmental Institute. This certification indicates that the wood has been tested and evaluated by an approved laboratory, and that the wood meets GREENGUARD emission standards*. Some green building guidelines, including those of the National Association of Home Builders and Green Guide for Health Care, require this certification for credits.



PLATE HOLDING STRENGTH

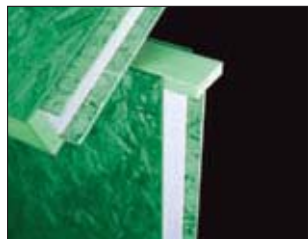
In lateral resistance / tooth holding tests conducted by MiTek Industries, Inc., samples of FrameGuard® wood performed with no statistical difference to matched, uncoated samples of southern pine and spruce/pine/fir.



* The GREENGUARD INDOOR AIR QUALITY CERTIFIED Mark is a registered certification mark used under license through the GREENGUARD Environmental Institute. The GREENGUARD certification applies to FrameGuard® treated wood, and indicates that such treated wood meets indoor air quality standards for low chemical emissions established by the GREENGUARD Environmental Institute.



Wood Treated Right™



FrameGuard® Mold-Resistant Wood: Design and Specification Details

CORROSION & HARDWARE

Two separate tests, one conducted in accordance with AWPA E12 procedures using metal coupons and the other involving actual metal truss plates, showed comparable corrosion levels for FrameGuard® wood and uncoated controls. You can specify the same hardware as you would for use with ordinary wood.

APPLICATION OF COATING

The active constituents of the coating are EPA-registered chemicals that provide broad-spectrum protection. To maintain a high level of performance for the coating, it is applied only under controlled conditions where the quality of coverage can be assured. It is not applied at jobsites, but at facilities such as truss plants, SIP plants, and treated wood plants that have installed suitable spraying or dipping equipment. Because of the diffusion of the treating solution, it is not necessary to field-treat wood exposed by sawing or drilling.

AVAILABILITY

Contractors can obtain the coated wood from their suppliers of lumber and wood components.

SPECIFICATION

A downloadable and editable model spec is available at www.frameguardwood.com.

CEU

Learn more about mold-resistant wood and earn one AIA Continuing Education Unit by visiting www.ronblank.com and looking for the course under Wood and Plastics.

ABOUT THE DEVELOPER

Arch Wood Protection, Inc., manufacturer of the FrameGuard™ coating, is an acknowledged leader in wood preservation technology. Along with its international affiliates, Arch Wood Protection manufactures wood preservatives, fire retardants, and anti-sapstain products, and licenses the best known brands of pressure-treated wood in the industry, including Wolmanized® wood and Dricon® fire retardant treated wood. Arch Wood Protection, Inc. is a subsidiary of Arch Chemicals, Inc., a publicly traded U.S. company widely respected for its creation and production of treatment chemicals and biocides.

Arch Wood Protection, Inc.
1955 Lake Park Drive, Suite 100
Smyrna, GA 30080
Toll-free 1-866-736-7366



Wood Treated Right™



Wood Treated Right™



Wood Treated Right™

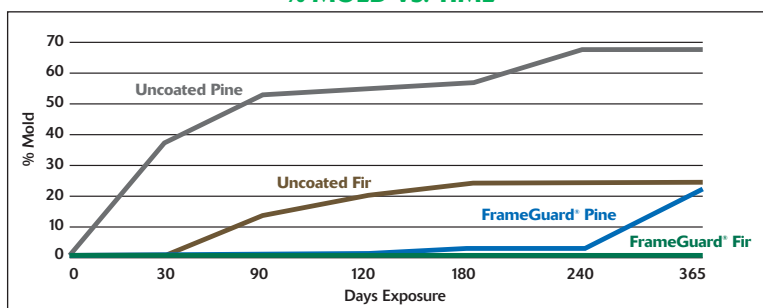
AWPA E12 CORROSION TEST*

120° F and 90% Relative Humidity • Loss in Mills per Year

| Metal | 30-day | | 60-day | |
|-----------------------------|---------|--------|---------|--------|
| | Control | Coated | Control | Coated |
| Aluminum 2024 | 0.0 | 0.1 | 0.0 | 0.1 |
| Carbon Steel 1010 | 0.0 | 0.2 | 0.0 | 0.3 |
| Standard hot-dip galvanized | 0.6 | 0.3 | 0.4 | 0.3 |
| G 90 electroplated | 0.3 | 0.7 | 0.9 | 1.2 |

* Standard exposure is 10-15 days

% MOLD VS. TIME



FrameGuard™ coated samples and uncoated controls, in two species, were exposed to the elements in Ft. Myers, Florida. After one year and 76.3" of rainfall, there was significantly less growth of mold on corresponding samples of FrameGuard™ wood. Weather-shielded samples of FrameGuard™ wood had virtually no mold after the year's test.