

Extending the Benefits of Wood



WOLMANIZED®

Residential Outdoor® Wood

L³ Wood

Heavy Duty™ Wood

CHEMONITE®

ACZA-Treated Wood

SILLBOR®

Borate-Treated Wood

FRAMEGUARD®

Mold-Resistant Wood

DRICON®

Fire Retardant Treated Wood

FRX®

Exterior FRT Wood

ANTIBLU®

Wood Protection Products

Wood Treated Right™



Wolmanized® Residential Outdoor® Wood

www.WolmanizedWood.com

The successor to original Wolmanized® wood for general use, Wolmanized® Outdoor® wood is protected with copper azole preservative and can be used anywhere traditional pressure-treated wood is used except in saltwater applications. Effective against termites and fungal decay, both above ground and in ground contact, Wolmanized® Outdoor® wood has earned the Good Housekeeping Seal.



Wolmanized® Residential L³ Outdoor® Wood

www.WolmanizedWoodL3.com

Protected by a nonmetallic preservative, this innovative option is suited for exterior, out-of-ground applications such as decking, rails, fences, and millwork, and for interior uses including sill plate and framing. It can be painted or stained without concern about discoloration from the carbon-based preservative. GreenSpec® listed.



Wolmanized® Heavy Duty® Pressure-Treated Wood

www.WolmanizedWoodHD.com

Traditional CCA-treated Wolmanized® wood is produced for industrial, utility, highway, and marine applications, including poles, posts, & piles; plywood; Permanent Wood Foundations; sawn timbers and crossarms; structural laminated beams and veneers; cooling tower lumber; structural composite lumber; and shakes and shingles.



Chemonite® ACZA-Treated Wood

www.Chemonite.com

Protected by ammoniacal copper zinc arsenate (ACZA), Chemonite® wood is intended for industrial, utility, and marine applications, especially when a refractory species such as Douglas fir is involved.



SillBor® Borate-Treated Wood

www.SillBor.com

Created for sill plate and suitable for other interior applications, this wood is pressure-treated with borate preservative for protection against wood-destroying organisms. GreenSpec® listed.



FrameGuard® Mold-Resistant Wood

www.FrameGuardWood.com

Mold does not have to be a problem for lumber, plywood, OSB, wood I-joists, or laminated wood used in interiors. FrameGuard® wood is coated with a solution that combines anti-mold chemicals with borate technology, providing protection against mold, fungal decay, and termites. GreenSpec® listed.



Dricon® Fire Retardant Treated Wood

www.useFRTW.com

Used for framing, trusses, roof systems, and other applications shielded from weather, Dricon® FRT wood has proven itself in diverse projects and conditions since its introduction in 1981. This pressure-treated wood meets provisions of the major model building codes, and is backed by solid warranties.



FRX® Exterior Fire Retardant Treated Wood

www.useFRTW.com

FRX® wood extends proven FRT wood performance to exterior applications directly exposed to the weather. It combines the beauty and versatility of wood with the fire safety and insurance advantages of noncombustible materials. FRX® wood is code-compliant and suitable for decks, balconies, stairways, siding, and molding, among other uses.



AntiBlu® Wood Protection Products

www.AntiBlu.com

AntiBlu® XP anti-sapstain chemical, applied by spray or dipping, protects logs, poles, and lumber against biological growth that can harm the wood's color and desirability. Also in the AntiBlu line are defoamers, end sealers and markers, anti-iron stains, insecticide additives, and sapstain control products for specific conditions.

See the website addresses listed for:

General information, building code references, editable model specs, code evaluation reports, warranties, use & handling advice, hardware recommendations, videos and literature downloads.



A patented wood backing system for steel-framed construction, called the Danback™ system, can save 90% of the time required to install backers by the usual method of one at a time.

Wood backers are inserted in steel stud framing where support is needed for anchoring cabinets, shelves, counters, sinks, handrails, chalkboards, and other wall fixtures.

A Danback unit comprises Dricon® FRT plywood sections joined by flexible metal hinges.

Installation consists of snapping the leading edge in place, flexing the unit around stud flanges, and screwing the metal hinge into the face of the steel studs.

Danback™ Wood Backing System

Advantages:

- Reduces installation time up to 90%
- Modular backing units for mounting fixtures to metal stud walls
- Made with Dricon® FRT wood
- Available in 48" sections for either 16" or 24" on-center framing



www.useFRTW.com



The AntiBlu line includes several anti-sapstain products. Primary among them is AntiBlu® XP anti-sapstain, formulated for temporary, cost-effective control of sapstain, mold, and decay fungi in freshly sawn and seasoned logs, poles, posts, and lumber, using either dip or spray application.

The concentrated solution can be diluted to suit particular needs. It is intended for sawmills; exporters; log home, truss and utility pole manufacturers; and other timber operations.

Also in the AntiBlu line are defoamers, brighteners, insecticides, end sealers, and mold inhibitors.

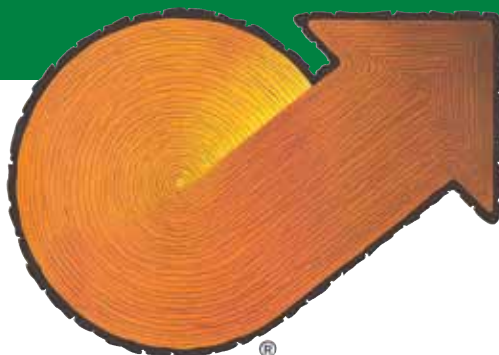
AntiBlu® Sapstain Control Chemicals

AntiBlu® products are backed by the expertise and field support of Arch Wood Protection, Inc. This includes regular visits from technical service representatives; comprehensive service reports; environmental, health and safety (EH&S) monitoring; operator training; cost control and improvements management; and accurate and easy-to-use test kits.



www.AntiBlu.com

www.wolmanizedwood.com



Wood Treated Right™

Dricon® Fire Retardant Treated Wood

Advantages:

- Class A fire retardant treated wood
- Backed by a 40-year builder's limited warranty in roof systems; covers materials and labor
- Also available are 40-year limited preservative warranty and 10-year limited warranty for truss builders (see website for full text of warranties)
- EPA-registered resistance to termites and fungal decay in above ground, weather-protected applications
- MIL-L-19140E QPL listed
- Issued ESR-1626



Dricon® FRT wood is the trusted alternative to construction materials classified as noncombustible for weather-protected applications. It is suited for interior applications shielded from precipitation. Dricon® FRT wood is ideal where sprinkler systems cannot be readily installed or water supply is inadequate or where versatile and economical construction is desired without compromising safety.

Fire performance testing

Independent, third-party agencies regularly test and evaluate Dricon® solution and/or wood. Dricon® FRT wood meets or exceeds model code requirements. Details of tests and results are available through a Dricon® FRT wood supplier or by contacting Arch Wood Protection, Inc. at 1-866-USE-FRTW, or by visiting the website.

Typical applications

- Studs & framing
- Roof systems
- Wall blocking
- Shelving, bins and pallets
- Millwork
- Electrical backer boards
- Structures isolated from fire prevention services

RECOGNITION

(All are subject to revision, re-examination)

- AWPA P49 (FR-1), P25
- AWPA U1 (UC1, UC2, UCFA)
- ICC ESR-1626
- Flamespread and smoke development ratings of 25 or less
- Class A FRT wood
- EPA registration (62190-9)
- UL Recognized Component
- NYC MEA 199-81-M
- NYC MEA 200-81-M
- Factory Mutual Class I Roof Deck
- City of Los Angeles (RR 25122)
- FHA Minimum Property Standard #2600
- HUD Materials Release (1261)



www.useFRTW.com

For a complete, downloadable model specification, see www.dricon.com/spec.

FRX® Exterior Fire Retardant Treated Wood

Advantages:

- Complies with major building codes
- Tested, proven fire retardant performance
- Effective for lumber, plywood, logs, siding, LVL
- Free of halogens
- Kiln dried after treatment
- Paper wrapped, military dye available
- Issued ESR-1159
- Available from Arch Wood Protection, Inc.



The people who developed Dricon® FRT wood for interior applications and the people who developed FTX® shakes and shingles now offer FRX® wood, fire retardant treated wood that retains its fire retardancy in outdoor use.

Chemically treated to reduce flamespread and smoke development, FRX® wood provides tested

fire retardancy for applications directly exposed to weather. FRX® wood may be substituted for materials classified as noncombustible in certain building types designated by the model building codes and requiring conformance with Class A flame spread in ASTM E 84 after undergoing the ASTM D 2898 protocol.

Typical applications

- Exterior decks
- Balconies
- Stairways
- Roof coverings
- Canopies and awnings
- Storefronts and facades
- Open-air roof systems
- Agricultural buildings and horse stalls
- Eaves, soffits and fascia
- Construction staging
- Scaffolding and scaffold planks

TESTS & RECOGNITION

- ASTM D 143
- ASTM E 84
- ASTM D 2898
- MIL-L-19140E QPL
- ICC Evaluation Service Report ESR-1159



www.useFRTW.com

For a complete downloadable model specification, see www.frxwood.com/spec.



Wolmanized® Outdoor® wood is effective against termites and fungal decay, both above-ground and in-ground. It is ideal for many residential and commercial applications.

Codes and standards

This wood meets requirements of model building codes for many applications, and code evaluation reports on this wood have been issued. The preservative treatment is suitable for above-ground and ground-contact applications.

Recommended hardware

Hot-dipped galvanized fasteners (meeting ASTM A 153) and connectors (ASTM A 653 Class G185 sheet), or better, are recommended.

For Permanent Wood Foundations and corrosive environments, such as areas with saltwater spray, use 304 or 316 stainless steel. Aluminum should not be used in direct contact with this wood, unless an adequate physical barrier separates the aluminum from the wood or the manufacturer ensures the performance of the aluminum product.

| RETENTION REQUIREMENTS – copper azole type C, dissolved & dispersed (micronized) | | |
|--|--------------------|-------------------|
| Application | CA-C (pcf) | μCA-C (pcf) |
| Decking | 0.060 ¹ | 0.05 ² |
| Above Ground | 0.060 ¹ | 0.05 ² |
| Ground / Fresh Water Contact | 0.15 ¹ | 0.14 ² |
| Sawn Poles & Posts | 0.25 ² | 0.23 ² |
| Piling (Southern pine) | 0.35 ² | 0.33 ² |

¹AWPA standards ²Building code evaluation reports

For a complete downloadable model specification, see www.wolmanizedwood.com/spec.

Wolmanized® Outdoor® Wood

Advantages:

- Real wood. Natural beauty. Trusted name.
- Protected against termites and fungal decay for above-ground and ground-contact uses by copper azole preservative
- Meets model building codes and EPA regulations
- Produced by independent licensees of Arch Treatment Technologies, Inc. which follow enforced quality control measures
- NAHB Green Approved product
- Certified under EPP program of SCS (dispersed formulation)
- Listed in AWWA standards (dissolved formulation)
- Backed by the Good Housekeeping Seal



www.WolmanizedWood.com



Wolmanized® L³ wood is suited for out-of-ground applications, such as decking, railing, stair treads, fence boards, siding, soffit, and fascia. For posts and timbers in ground contact, choose Wolmanized® Outdoor® wood with that intended use.

Nonmetallic treatment

The preservative in L³ wood is a nonmetallic, carbon-based solution. As a result, it does not have the color or galvanic reaction of wood treated with copper-based preservatives. It has low impact on hardware, coatings, wood-working equipment, and the environment.

Codes and standards

L³ wood is listed in AWWA standards for Use Categories 1, 2, 3A, and 3B. An ICC Evaluation Service report has also been issued (ESR-1477).

Recommended hardware

Since there is no issue with a galvanic reaction between metal hardware and the nonmetallic preservative, corrosivity of this wood is no greater than that of untreated wood. Contractors can use hardware with the minimum protection accepted by the applicable building code. Wolmanized® L³ wood can contact aluminum without fear of accelerated corrosion.

| RETENTION REQUIREMENTS | |
|------------------------|--|
| UC1, UC2, UC3A | 0.013 pcf |
| UC3B | 0.013 pcf + Stabilizr™ additive or 0.018 pcf |

For a complete downloadable model specification, see www.wolmanizedwoodL3.com/spec.

Wolmanized® L³ Outdoor® Wood

Advantages:

- Factory-applied Stabilizr™ additive minimizes effects of moisture
- No more corrosive to metal hardware than untreated wood; can be used in contact with aluminum
- Can be painted or stained without discoloration from preservative
- NAHB Green Approved product
- GreenSpec® environmentally preferable product
- Backed by the Good Housekeeping Seal



www.WolmanizedWoodL3.com

Wolmanized® Heavy Duty® Pressure-Treated Wood

Advantages:

- Preserved with chromated copper arsenate (CCA)
- Protection against rot, fungal decay, and termites
- Confidence for architects, builders, and engineers, based on over 70 years of success, that the wood will perform
- Easy to work, repair, and modify with common tools
- Strong, resilient, versatile, and economical
- Produced by independent licensees of Arch Wood Protection, Inc. which follow enforced quality control measures



www.WolmanizedWoodHD.com



Wolmanized® CCA pressure-treated wood is intended for industrial, utility, marine, and heavy construction applications.

Recommended hardware

Fasteners should be corrosion-resistant, such as: hot-dipped galvanized, copper, silicon bronze, stainless steel 304 and 316 or other metals having corrosion resistance equal to that of hot-dipped galvanized. Aluminum is subject to corrosion and should not be used in direct contact with CCA-treated wood.

Typical applications

- Piling – land and fresh water, foundation, marine
- Plywood
- Highway construction
- Permanent Wood Foundations
- Building poles and posts
- Sawn timbers
- Utility poles & sawn crossarms
- Structural glued laminated members
- Cooling tower wood
- Structural composite lumber
- Shakes and shingles

| RETENTION REQUIREMENTS OF THE AMERICAN WOOD PROTECTION ASSOCIATION ¹ | | |
|---|--------------|-------------------|
| Application | Use Category | CCA (pcf) |
| LUMBER, TIMBERS, AND PLYWOOD | | |
| Above Ground | 1,2,3A,3B | 0.25 |
| Ground / Fresh Water Contact | 4A | 0.40 |
| Salt Water Splash | 4B | 0.60 |
| Wood Foundation | 4B | 0.60 |
| Salt Water Immersion | 5B | 2.50 |
| PILING AND COLUMNS | | |
| Structural Poles | 4B | 0.60 |
| Foundation / Fresh Water | 4C | 0.80 |
| Salt Water Immersion | 5B | 2.50 ² |

¹Wolman® CCA preservative meets or exceeds AWWA P5 and Federal Standard TT-W-550. The treating process and the above results meet or exceed Federal Specification TT-W-571 and AWWA Commodity Specifications as applicable.

²For round piling used in the northern zone (New Jersey and north on the East Coast, north of San Francisco Bay on the West Coast), a retention of 1.50 pcf is acceptable (UCSA).

For a complete downloadable model specification, see www.wolmanizedwoodHD.com/spec.

Chemonite® ACZA-Treated Wood

Advantages:

- Preserved with ammoniacal copper zinc arsenate (ACZA)
- Effective in penetration and protection of Douglas fir
- Long history of successful use
- Studies indicate resistance to carpenter ants, woodpecker damage, and fire



This material is suited for industrial, utility, marine, and heavy construction applications, particularly those where Douglas fir is used.

Recommended hardware

Fasteners should be corrosion-resistant, such as: hot-dipped galvanized, copper, silicon bronze, stainless steel 304 and 316 or other metals having corrosion resistance equal to that of hot-dipped galvanized. Aluminum is subject to corrosion

and should not be used in direct contact with Chemonite® treated wood.

Typical applications

- Poles – utility and building
- Piling – foundation, land, freshwater marine
- Timbers
- Posts
- Douglas fir crossies

CHEMONITE® ACZA
PRESSURE-TREATED WOOD

www.Chemonite.com

RETENTION REQUIREMENTS

Same as for Wolmanized® Heavy Duty™ wood shown above.



Specify SillBor® borate pressure-treated wood for areas that are not subject to direct contact with water. It is an ideal building material where borate leaching is unlikely except during the initial period of construction.

Typical applications

- Sill plates
- Trusses
- Wall framing
- Ceiling joists and floor beams
- Door frames

How borate-treated wood works

The borate-based preservative is forced into wood under pressure, but also diffuses naturally into areas of the wood unreached by the treatment procedure. This double process—pressure and diffusion—enables the preservative to penetrate more completely into desirable species, such as Douglas fir, which are difficult to protect by pressure alone.

| RETENTION REQUIREMENTS OF THE AMERICAN WOOD PROTECTION ASSOCIATION | | |
|--|-------------------------------------|----------------|
| Application | B ₂ O ₃ (pcf) | DOT equivalent |
| Formosan termites not present | 0.17 | 0.25 |
| Formosan termites are present | 0.28 | 0.42 |

SillBor® Borate Pressure-Treated Wood

Advantages:

- Provides economy and workability of ordinary wood
- Adds years of life to typical wood structures
- Low environmental impact
- Meets American Wood Protection Association (AWPA) standards
- Preservative penetrates more completely into desirable species
- Can be drilled, sawn, glued and finished
- Treatment does not adversely affect strength properties
- Can be colored for identification purposes
- Resists damage from carpenter ants and carpenter beetles
- GreenSpec® environmentally preferable product



www.SillBor.com



Builders and manufacturers can offer their customers effective resistance to mold, termites, and fungal decay by using FrameGuard® mold-resistant wood. This coated wood contains a blend of anti-mold chemicals and borate technology, which keeps framing material looking cleaner and brighter during storage and construction. The coated wood is also protected against mold and wood-destroying organisms once it has been enclosed in a suitable structure.

On lumber, plywood, OSB, wood I-beams, trusses, structural insulated panels, and other wood products intended for interior use, FrameGuard® coating protects against organisms which can cause deterioration, odor, and complaints.

FrameGuard® coating is applied at an OEM plant, treating plant, lumber mill, distribution yard, or other facility where the quality of coverage can be controlled more precisely than on a jobsite.

| STRENGTH OF WOOD (MODULUS OF ELASTICITY), E x 10 ⁶ | | | | |
|---|---------------|---------------|---------------|-----------------|
| | Orientation 1 | Orientation 2 | Orientation 3 | Overall Average |
| Before treatment | 2.15 | 2.12 | 2.14 | 2.14 |
| After treatment | 2.14 | 2.11 | 2.14 | 2.13 |

An independent agency, Timber Products Inspection, performed E computer testing on 50 samples of 2x4 southern pine, before and after coating with FrameGuard® solution. The results indicate no significant difference in strength values from the coating.

FrameGuard® Mold-Resistant Wood

Advantages:

- Protects against mold growth
- Also protects against termites and fungal decay
- Winner, NAHB Green Building Award
- GreenSpec® environmentally preferable product



www.FrameGuardWood.com

The Benefits of Wood

In addition to the treatments that enable the wood to last a long time or resist flames, our brands have all of the environmental and other advantages associated with wood itself. The source is a renewable resource typically grown on managed timberlands and requiring less energy to produce than alternative building materials. Growing trees absorb carbon dioxide and wood products sequester carbon, both reducing greenhouse gases. Wood offers greater insulation value than alternatives, and, because of its light weight, wood can often be installed with lighter equipment which has less environmental impact.

Wood offers excellent workability with common construction skills and tools, plus it provides design flexibility and economy. Wood is generally less costly than alternative building materials and is considered easier to work with, not to mention aesthetically preferable in many applications.



For more information visit www.wolmanizedwood.com

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