



## Wood Treated Right™

Wolmanized® Residential Outdoor® wood combines the natural beauty of real wood with a lifetime limited warranty against termites and fungal decay. It is protected with preservative. This wood is ideal for decks, retaining walls, fences, picnic tables, planter boxes, walkways, sill plate and structural members. Copper azole-treated wood, at appropriate retention levels, can be used for above ground, ground contact, and freshwater immersion applications. It is presently not recommended for saltwater immersion.

Copper is the active ingredient, protecting against termites and most fungal decay. Protection against copper-tolerant fungi is provided by an azole co-biocide which has also been used as a fungicide for fruits, peanuts, and other crops.

The formulation renders wood useless as a food source for termites and fungi while keeping the wood attractive, clean, and odorless.

To reduce stress during the periodic wetting and drying of exposed lumber products and to help stabilize the wood before construction, water repellent can be applied to Wolmanized® Outdoor® wood as part of the treating process.

As with CCA, the copper azole preservative is forced into the wood under pressure, where it provides decades of protection. However, some chemical may migrate from preserved wood into surrounding soil and water over time and may also be dislodged from the wood surface upon contact with skin.

**Warranty:** Wolmanized® lumber is backed by a lifetime limited warranty in qualifying residential and agricultural applications. See website for details.

**Recommended hardware:** The International Building Code and International Residential Code require metal fasteners in contact with any preservative treated wood to be hot-dipped galvanized material meeting



Used and recommended by Dean Johnson, host of the popular TV series, *Hometime*.

## PRODUCT INFORMATION:

# Wolmanized® Residential Outdoor® Wood

ASTM A 153. This level of galvanization is appropriate for wood treated with CA-B, and will provide extra protection for CA-C and  $\mu$ CA-C. Code requirements should be observed.

Connectors should be made from galvanized steel sheet conforming to ASTM A 653 Class G185. For Permanent Wood Foundations, use 304 or 316 stainless steel fasteners.

Indoors, and where wood will remain dry in service, corrosion is less likely to occur than outdoors. The model code permits use of standard galvanized strapping or mild steel anchor bolts 1/2" diameter and larger is also acceptable for fastening Wolmanized® wood to foundations.

**Maintenance:** When dry on its surface, Wolmanized® wood can be stained like ordinary wood, and, once dry internally, can be painted. For thorough internal drying, purchase material that has been re-dried after treatment or, after the project has been completed, allow several months of good drying weather prior to painting.

Many light-colored latex paints can be used successfully, following brush-application of an oil-based primer. Primer should not be applied by sprayer, nor should coatings be used if their manufacturer advises against an oil-based primer. Always follow the manufacturer's directions and take special care in coating end grain, holes, and cuts.

For protection against moisture damage, regular application of a topical water repellent is recommended. Periodic cleaning can revive the color of preserved lumber.

**Handling precautions:** Follow the same guidelines as for traditional treated wood, which are essentially the same guidelines that should be followed for handling untreated wood. For example: wear a dust mask to control inhalation of sawdust; do not use treated wood under circumstances where the preservative may become a component of food or animal feed (note: in raised bed gardens this may be accomplished by placing an impervious liner such as heavy polyethylene between the treated wood and the soil); wear gloves when working with wood; wear goggles to protect eyes from flying particles; and wash after working with wood and before eating, drinking, toileting, or using tobacco products. For other precautions, see the website.

**Disposal:** Wolmanized® wood waste, such as scraps, broken boards, and sawdust, can be disposed of with ordinary trash collection. Treated sawdust and shavings are not recommended for composting, mulching, or animal

**Wolmanized® Residential Outdoor® wood is protected by copper azole preservative.** For several years, this has involved a formulation denoted Copper Azole type B (CA-B). This preservative is currently transitioning to a type C with reduced copper content. Type C is produced using either dissolved copper or dispersed (finely ground particles suspended in the treating solution) copper.

Because of species differences, western species are being treated, or will be treated, with the dissolved version, CA-C, while, for eastern woods, the dispersed copper version (abbreviated  $\mu$ CA-C) may be preferred.

bedding, and the wood should not be burned except in approved commercial incinerators.

**Codes and standards:** This wood meets requirements of model building codes for many applications, and a code evaluation report has been issued. See ICC's ESR-1721 for allowable values and/or conditions of use. Such reports are subject to re-examination, revisions, and possible closing of file.

CA-B preservative treatment is listed in the standards of the American Wood Protection Association for above-ground (Use Categories UC1, UC2, UC3A, UC3B) and ground contact (Use Categories UC4A, UC4B, and UC4C) applications.

CA-C formulations are in the process of obtaining AWPAs listing.

**And it's wood:** In addition to the preservative treatment that enables wood to last a long time, Wolmanized® wood has all of the environmental and other advantages associated with wood itself. Its source is a renewable and rapidly replenished resource grown on managed timberlands, requiring less energy to produce than alternative building materials and offering greater insulation value. Growing forests and wood products reduce greenhouse gases.

Wood offers excellent workability with common construction skills and tools, plus it provides design flexibility and is generally more economical than alternative materials. Furthermore, for many applications, wood is aesthetically preferable.



### Model specification:

For a downloadable and editable model spec, visit [www.wolmanizedwood.com/spec](http://www.wolmanizedwood.com/spec).



# Specification Guide for Treated Wood End Uses

Wood Treated Right™		Use Category	Preservative Retention (Lbs. per cubic foot)		
			CA-B	CA-C	μCA-C
AGRICULTURE, FARM USE	Round poles and posts as structural members	4B	.31	.25	.23
	Sawn poles and posts as structural members	4B	.31	.25	.23
	Posts, Fence				
	Round, half & quarter round	4A	.21	.15	.14
	Sawn four sides	4A	.21	.15	.14
	Lumber, in soil contact	4A	.21	.15	.14
	Lumber, not in soil contact	3B	.10	.06	.05
	Plywood, in soil contact	4A	.21	.15	.14
	Plywood, not in soil contact	3B	.10	.06	.05
	Grape stakes, sawn	4A	.21	.15	.14
BUILDING CONSTRUCTION MATERIAL	Floor plate	2	.10	.06	.05
	Flooring, residential				
	Damp environment	2	.10	.06	.05
	Dry environment	1	.10	.06	.05
	Framing, interior	1, 2	.10	.06	.05
	Lumber				
	Interior, above ground	1, 2	.10	.06	.05
	Exterior, above ground	3B	.10	.06	.05
	Ground contact and fresh water use	4A	.21	.15	.14
	Permanent Wood Foundation				
	Lumber & Plywood	4B	.31	.25	.23
	Plywood				
	Sub-floor, damp above ground	2	.10	.06	.05
	Exterior, above ground	3B	.10	.06	.05
	Ground contact and fresh water use	4A	.21	.15	.14
	Poles, building				
	Round	4B	.31	.25	.23
	Sawn	4B, 4C	.31	.25	.23
	Piling, foundation, land & freshwater				
	Round timber (Southern pine)	4C	.41	.35*	.35*
DECKS	Above ground: Decking, joists, rails, steps	3B	.10	.06	.05
	Sapwood species: Decking, specialties	3B	.08	.06	.05
	Ground contact: Posts	4A	.21	.15	.14
FENCES	Pickets, slats, trim	3A, 3B	.10	.06	.05
	Posts, sawn	4A	.21	.15	.14
HIGHWAY MATERIAL	Lumber and timbers for bridges, structural members, decking, cribbing, & culverts	4B	.31	.25	.23
	Structural lumber and timbers:				
	Posts: Round, half-round, quarter round	4A	.21	.15	.14
	Posts: Sawn	4A	.21	.15	.14
	Handrails and guardrails	3B	.10	.06	.05
	Posts, guardrail				
	Round	4A	.25	.25*	.23*
	Sawn	4A	.25	.25*	.23*

\*Not yet evaluated for use in these applications

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