

Product information:

# Wolmanized® Outdoor® Wood

Protected by the advanced type C formulation of micronized copper azole (MCA-C)



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

**Wolmanized® Outdoor® Wood** combines the natural beauty of real wood with long-lasting resistance to termite damage and fungal decay. This wood is ideal for decks, retaining walls, fences, picnic tables, planter boxes, walkways, sill plate and structural members. At appropriate retention levels, it can be used for above ground, ground contact, and freshwater immersion applications. It is presently not recommended for saltwater immersion.

Micronized copper azole preservative (using finely ground particles suspended in the treating solution) renders wood useless as a food source for termites and fungi. Its type C formulation, which incorporates a combination of synergistic azoles, is the advanced version.

Preservative is forced into the wood under pressure, where it provides decades of protection. Copper is the primary ingredient, protecting against termites and most fungal decay. Protection against copper-tolerant fungi is provided by the dual azole co-biocide.

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.

## Warranty

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

## Check the label

Be sure to check the label and choose the wood necessary for the intended application. See [www.WolmanizedWood.com](http://www.WolmanizedWood.com).

## 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 ASTM A 153. 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 for fastening Wolmanized® wood to foundations.

Aluminum flashing (3015 or similar alloy) may be used in contact with MCA-C treated wood in interior or exterior, above ground applications that are damp or intermittently wet. When treated wood is subject to immersion or frequent or prolonged wetting, factory coated aluminum or an insulating moisture resistant barrier should be used between the treated wood and the aluminum.

## 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 guidelines similar to those for handling untreated wood. For example: wear a dust mask to control inhalation of sawdust; 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. Do not use treated wood under circumstances where the preservative may become a component of food or animal feed. 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 bedding, and the wood should not be burned except in approved commercial incinerators.

## Codes and standards

This wood meets requirements of model building codes; it is listed in standards of the American Wood Protection Association (AWPA) and a code evaluation report (ICC-ES ESR-1721) has been issued.

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



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[www.HomeInnovation.com/green](http://www.HomeInnovation.com/green)

# Specification Guide for Treated Wood End Uses

MCA-C Preservative Retention  
(Lbs. per cubic foot)

Use  
Category

ICC ESR-1721      AWWA

	ICC ESR-1721	AWPA	Use Category	
<b>AGRICULTURE, FARM USE</b>	Round poles and posts as structural members	0.23	NA	4B
	Sawn poles and posts as structural members	0.23	0.31	4B
	Posts, Fence			
	Round, half & quarter round	0.14	0.15	4A
	Sawn four sides	0.23	0.31	4B
	Lumber, in soil contact	0.14	0.15	4A
	Lumber, not in soil contact	0.050	0.060	3B
	Plywood, in soil contact	0.14	0.15	4A
	Plywood, not in soil contact	0.050	0.050	3B
	Grape stakes, sawn	0.14	0.15	4A
<b>BUILDING CONSTRUCTION MATERIAL</b>	Sill plate	0.050	0.050	2
	Flooring, residential			
	Damp environment	0.050	0.050	2
	Dry environment	0.050	0.050	1
	Framing, interior	0.050	0.050	1
	Lumber			
	Interior, above ground	0.050	0.050	1,2
	Exterior protected, above ground	0.050	0.050	3A
	Exterior exposed, above ground	0.050	0.060	3B
	Ground contact and fresh water use	0.14	0.15	4A
	Permanent Wood Foundation			
	Lumber & Plywood	0.23	0.31	4B
	Plywood			
	Sub-floor, damp above ground	0.050	0.050	2
	Exterior, above ground	0.050	0.050	3B
	Ground contact and fresh water use	0.14	0.15	4A
	Poles, building			
	Round	0.23	NA	4B
	Sawn	0.23	0.31	4B
	Poles, utility (Southern pine, western red cedar)	0.23,0.33	NA	4A,4B,4C
Piling, foundation, land & freshwater				
Round timber (Southern pine)	0.33	NA	4C	
<b>*DECKS</b>	Decking, rails, steps, specialties (Above Ground)	0.050	0.060	3B
	Decking, posts, joists, beams (Ground Contact)	0.14	0.15	4A
	Posts (Heavy Duty Ground Contact)	0.23	0.31	4B
<b>FENCES</b>	Pickets, slats, trim (protected)	0.050	0.050	3A
	Pickets, slats, trim (exposed)	0.050	0.060	3B
	Posts, sawn	0.14	0.15	4A
<b>HIGHWAY MATERIAL</b>	Lumber and timbers for bridges, structural members, decking, cribbing, & culverts	0.23,0.33	0.31 <sup>1</sup>	4B,4C
	Handrails and guardrails	0.050	0.060 <sup>1</sup>	3B
	Posts, general use			
	Round, half-round, quarter round	0.14	0.15	4A
	Sawn	0.14	0.15	4A
	Posts, guardrail			
	Round	0.23	NA	4B
	Sawn	0.14	0.15	4A

<sup>1</sup>Southern Yellow Pine only

\*For additional information please visit [www.LonzaWoodProtection.com](http://www.LonzaWoodProtection.com) to see the Know Your Wood® literature. These pieces focus on how to properly choose wood suited for intended use pinpointing when it is appropriate to choose wood treated to Above Ground, Ground Contact, or Heavy Duty Ground Contact. Also available are tips on proper installation and how to read an end tag.

**Wolmanized**  
OUTDOOR® WOOD