

Product information:

# Wolmanized® Outdoor® Wood

Protected by a fortified  
type C formulation of micronized copper azole



## WITH BARAMINE® TECHNOLOGY

**Wolmanized® Outdoor® Wood** combines the natural beauty of real wood with long-lasting resistance to termites and fungal decay. It is protected with copper azole preservative. The 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 primary ingredient, protecting against termites and most fungal decay. Protection against copper-tolerant fungi is provided by a combination of synergistic azoles (Type C).

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.

### Now with BARAMINE® technology

After introducing copper azole preservative – plus copper azole types A, B, and C – the developers of Wolmanized® wood now offer the additional protection of BARAMINE® technology. It provides:

- Broader range of resistance
- Improved defense against common fungi and certain copper-tolerant fungi
- Enhanced moldicide properties
- Global patented technology
- Greater customer satisfaction
- Cleaner, brighter appearance due to greater solution stability

### 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).

### Warranty

Wolmanized® lumber is backed by a limited warranty in qualifying residential and agricultural applications. For details, see [WolmanizedWood.com](http://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; do not use treated wood under circumstances where the preservative may become a component of food or animal feed; 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 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.

### Model specification:

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



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# Specification Guide for Treated Wood End Uses

	MCA-C Preservative Retention (Lbs. per cubic foot)		Use Category	
	ICC ESR-1721	AWPA		
<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
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