

Lonza Wood Protection offers two different color opportunities to further highlight the beautiful characteristics of real wood. Both Tanatone® in-cylinder colorants and TanaShade™ pre-stain concentrates allow the natural wood grain to show through the color. They are compatible with the preservatives used in Wolmanized® Outdoor® wood and Wolmanized EraWood® lumber and are factory-applied in a variety of shades.

Tanatone® Color Technology

Tanatone® colorant enhances the appearance of wood by giving it a rich Cedar or Western Red Cedar hue that remains in the wood for up to two seasons. It is added during the treating process along with Wolman® E Micronized Copper Azole (mCA-C), Wolman® E Dissolved Copper Azole (CA-C), or Wolman® AG Propiconazole Tebuconazole Imidacloprid (PTI). And, while the preservatives protect the wood against termites and fungal decay, this in-cylinder colorant adds a deeper level of beauty still allowing the wood to show through.

Technical Research

Goal: long-term persistency of colorant in the wood

Lonza researchers go through several steps that could take years before our marketing and sales team bring a colorant to market.

- 1 Research — We work with pigments or dyes to choose a color, carefully formulating products that are compatible with our Wolman® E and Wolman® AG product lines.
- 2 Phase 1 Testing — Once a color is chosen, we treat a small amount of wood in our research facility and then apply accelerated weathering techniques to evaluate its performance. Batch after batch of wood is treated, using different amounts of color per load.

As we evaluate the color, we also must take into account the many factors that affect the appearance of the wood: the type of wood, the size and grain, the preservative, and the particular color we want to achieve.

- 3 Phase 2 Testing — Once all of the factors are blended to achieve the desired color, we treat a larger charge of wood to mimic commercial scale processes. Using the wood, we build small decks and fence panels at our research facility, where we monitor how the wood holds up to natural elements. (Note: at Lonza's Conley, Georgia, research facility colorants are put to the test in the harsh Southern climate. Wood is exposed to harsh weather conditions including high ultra violet sun rays and heavy rains.)

Benefits

- Tanatone® colorants give treated wood an attractive, rich tone and eliminate the need to initially stain or paint the finished project
- Available in Cedar and Western Red Cedar
- Added during the pressure-treatment process without adding cycle time
- Colors slowly weather to a warmer, fuller hue and then to natural silver gray
- Great option for fencing, decking, and other landscaping products



Compatibility

Preservative	Colorant
Wolman® E mCA-C	Tanatone® Cedar & Western Red Cedar (WRC)
Wolman® E CA-C with BARamine®	Tanatone® WRC V1
Wolman® E E mCA-C with BARamine®	Tanatone® WRC V2
Wolman® E AG PTI	Tanatone® Cedar, Western Red Cedar (WRC), & Tanatone® WRC V2

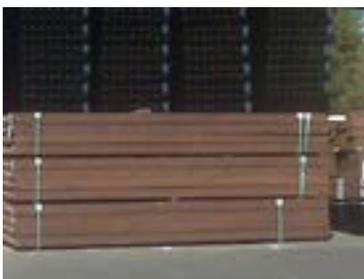
Wolmanized[®]
OUTDOOR[®] WOOD

colorants

TanaShade™ Color Technology

The TanaShade™ line of waterborne pre-stain concentrates is available in five different colors that all enhance that beauty of natural wood. TanaShade™ colorant was developed specifically for pressure-treated lumber, both green and kiln-dried and has been used in the market for nearly a decade.

The stains are applied to wood prior to pressure-treatment, by airless or assisted-airless spray, brush, roll, or vacuum coater. In a 2000-hour accelerated weathering test, a TanaShade™ stained product showed exceptional color retention.



TanaShade™ colorants are factory-applied prior to the pressure treatment process and are available in five different colors.

Benefits

- No need for initial paint or stain after installation is complete
- Available in a range of colors: Clove Brown, Cedartone, Cinnamon, Redwood, Gold
- Specialty surfactants in TanaShade™ colorants improve stain penetration and reduce drying time, which leads to:
 - excellent adhesion
 - lasting color retention
 - quick stacking
- Compatible with most species of wood
- Can be used on green, non-kiln-dried lumber due to excellent adhesion
- Can be pressure-treated in as few as 24 hours after application
- Economical