



## SHER-WOOD® CLEAR WOOD FINISHING SYSTEMS

COMPLETE, TOP-OF-THE-LINE SYSTEMS THAT SLOW DOWN THE EFFECTS OF THE SUN

### WOOD, COLOR & TIME

Wood is the natural choice for all types of products. No other material evokes stronger emotions in people, with its variety of species, grains and colors. As a product finisher, it is important to understand that all woods, cherry to oak, finished and unfinished, stained and clearcoated, will change in appearance over time.

Dark woods eventually become lighter. Light woods turn darker. While applying coatings resistant to yellowing and UV light degradation will help slow the transformation, nothing can completely prevent this natural process from occurring. Understanding why wood darkens and knowing the elements that accelerate the process are necessary for making the right finishing selection.





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## Performance Properties

Wood naturally changes in appearance over time. Some species, such as cherry, actually transform soon after milling. The most notable elements causing this change are:

- ◆ Humidity
- ◆ Ultraviolet light
- ◆ Temperature variations
- ◆ Oxygen

Coating systems will not completely encapsulate the wood substrate, allowing moisture, light, heat and oxygen to affect the color change of wood. However, by selecting the most appropriate finishing system for the given service environment of the wood product, the rate of change can be minimized.

Consider the following for optimal non-yellowing performance:

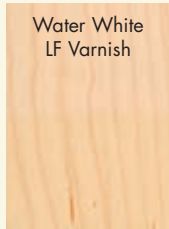
- ◆ Apply stain/toner that matches the natural wood tone
- ◆ Locate finished item away from direct sunlight
- ◆ Maintain moderate humidity and temperature
- ◆ Employ the use of a high quality clear system that resists yellowing and contains a UV absorber

Sherwin-Williams has a wide selection of clear wood finishing systems like Sher-Wood Acrylic Conversion Coating, Sher-Wood Water White Conversion Varnish and Sher-Wood CAB—Acrylic Lacquer that are proven systems that minimize yellowing and color change.

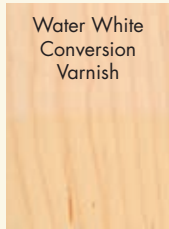
Acrylic Conversion Coating



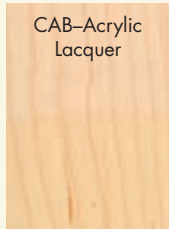
Water White LF Varnish



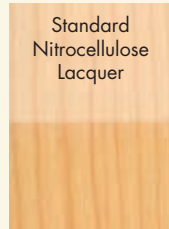
Water White Conversion Varnish



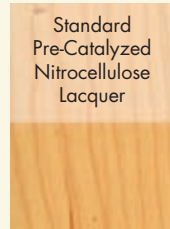
CAB—Acrylic Lacquer



Standard Nitrocellulose Lacquer



Standard Pre-Catalyzed Nitrocellulose Lacquer



Standard Waterbased Acrylic Lacquer



The series of pictures above show the result of natural finished maple exposed to ultraviolet light. While all clear topcoats will change color to some extent when exposed to ultraviolet light, these pictures illustrate the variation expected between various Sher-Wood products. Although critical to appearance, this variation in tendency to change color does not necessarily affect the other physical properties of the coating. When darker woods or wood-toned stains are used, any color change that does occur is not as apparent. Other Sher-Wood topcoats which show greater tendency to change color are perfectly acceptable in these cases.

For more information, contact your Sherwin-Williams Chemical Coatings representative or call 1-800-524-5979 to have a representative contact you.

[www.sherwin-williams.com/oem](http://www.sherwin-williams.com/oem)

## Finishing Characteristics

Sher-Wood clear wood finishing systems are beautiful finishes that provide great depth and clarity. They deliver a tough, durable finish and are perfectly suited to many types of wood finishing applications.

## Regulatory Compliance

As EPA regulations become stricter, Sher-Wood clear wood finishing systems offer solutions designed to comply now and in the future. With low HAPs and VOC formulations, Sher-Wood clear wood finishing systems make it easy to comply with government regulations while maintaining product quality and efficiency on your finishing line.