Preservation Solutions

Innovators of Environmentally Safe Products for Wood and Leather

WOOD JUICE™

Wood Stabilizer

Wood Juice™ is a non-toxic formula designed to stabilize dry, semi-dry or sawn green wood to prevent *future* cracking and splitting. It displaces the remaining water and leaves a thin coating on the wood cell walls which prevents the cells from collapsing and shrinking as the wood dries. Wood Juice™ will also rejuvenate and condition old, dry wood and will not migrate once dried in the wood. Popular for use on pen blanks and knife handles.

It does not contain silicone, wax or mineral oil and there are no harmful fumes or foul odors.

Wood treated with Wood Juice™ can be sanded, stained, glued and/or sealed. It contains a UV protectant to help prevent sun fading and graying.

If Wood Juice™ will be used on wood intended for outdoor use, a sealer must be applied to prevent the Wood Juice™ from leaching out over time.

Coverage: Use the Wood Calculator on our website to determine how much Wood Juice™ is needed to treat your wood: www.preservation-solutions.com/woodcalc.php Simply put in the dimensions and type of wood. This will provide you with a good estimate on how much should be applied to completely saturate the wood, especially when using the brushing method.

Directions: Use Wood Juice™ at room temperature and do not dilute it. Wood Juice™ works best on unfinished wood with a lower moisture content. It is recommended to wear safety glasses to prevent Wood Juice™ from splashing in and irritating your eyes. Read the directions completely. Clean up with soap and water.

There are two methods to apply Wood Juice™, ***soaking*** and ***brushing*** on.

Method 1 (Soaking): Soaking the wood, if possible, is the most effective. Fill a plastic or fiberglass container with enough Wood Juice™ to cover the wood. Do not use a metal container as it may react with the Wood Juice™ and discolor the wood. Apply small stickers under your wood so that the wood does not sit directly on the bottom of the soak tank. Soak the wood 12–24 hours per inch of thickness. For larger and denser pieces, soak 24–36 hours per inch of thickness. It will not harm the wood to soak it longer.

Method 2 (Brushing): This method is ideal for wood that is too large to soak. Lay plastic or a tarp down under the wood to catch any drips (enough plastic to wrap up over the top of the wood). Place small stickers beneath the wood so that it does not sit directly on the plastic. Brush on several coats of Wood Juice™ to all sides of the wood, applying extra coats to the end grains where up to 75% of Wood Juice™ will be absorbed. Cover the wood with plastic to prevent premature drying. Repeat the process until the wood will no longer accept any more Wood Juice™ (it will lay on the surface). Keep the wood wrapped in plastic between brushing applications. Try to complete the brushing application to your wood within 7-8 days to prevent mold from growing under the plastic. When the wood is completely saturated, drip dry and proceed to drying.

Drying: Remove the plastic to dry. It is important to dry the wood SLOWLY and naturally. Place the wood away from direct air movement, heat source and sunlight. Ideal drying conditions are 50-70°F with relative humidity at 30-60%. It is best to dry the wood in a basement or garage.

Drying time will vary depending on the type (density) and size of the wood, the relative humidity and temperature in your area. Dry slabs or cross-cut pieces standing on end (vertically) so air can get to both sides and dry the wood evenly. To help slow the drying, we recommend putting the wood in a cardboard box and loosely closing the top. For large pieces such as slabs and cross-cut sections, cut cardboard and tape it to the sides – this will slow down the surface drying. End Grain Sealer can also be applied (under the cardboard) to these large pieces while drying.

A moisture meter can be used, as Wood Juice™ will not affect the reading. Keep in mind that the moisture meter will only read the surface moisture content of large pieces and not the inside. It may take up to 2 years for the large pieces to completely dry.

Gluing and Finishing: Once completely dry, the wood can be sanded, glued, stained and/or finished. Both oil based or water based products can be used. If needed, wipe down the surface of the wood with mineral spirits or Solvitol™ to remove any residue and prepare the wood for gluing or finishing. Allow the surface dry overnight before applying glue or a finish.

Low VOCs. Approved by Air Resources Board of California and Health Canada.

Keep out of the Reach of Children

DISCLAIMER: Being that wood is a natural material and is susceptible to varying degrees of shrinkage, reaction, deterioration, and because of varying climatic conditions, varying experience of the user and may be applied under conditions beyond our control, as seller, we make no warranty expressed or implied as to this material or its use. All information stated herein is accurate to the best of our knowledge and is based on thorough testing.

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