



ISO 9001/2008 Registered

## Restore Rotted Wood in Three Easy Steps

### 1 Prepare Wood

Remove old paint, dirt, and debris. Clean oily surfaces with detergent, water, or solvents.

### 2 Apply LiquidWood



To strengthen the wood, apply LiquidWood with a brush, or pour directly on the surface. LiquidWood penetrates and hardens.

### 3 Apply WoodEpoxy



To rebuild missing pieces of wood and fill cracks and holes, apply WoodEpoxy. When hard, it can be sanded, stained, painted, and nailed.



# LiquidWood® and WoodEpoxy®

# Wood Restoration System

## The Standard to Restore and Replace Wood

**LiquidWood®** Reinforces, rebuilds and waterproofs wood by hardening after penetrating. Regenerates rotted window-sills, frames, structural and decorative parts, furniture, columns, boats, floors. Primer for WoodEpoxy.

**WoodEpoxy®** Structural adhesive putty. Most versatile, high-strength, no-shrink adhesive paste to fill, repair and replace wood and other materials in structures, walls floors, furniture, sculptures. A standard in workshops, plants, buildings, museums, shipyards and homes.

Specified by U.S Government agencies, state and national restoration centers, museums, architects and other professionals, LiquidWood and WoodEpoxy represent the greatest advance in wood restoration history. They give new life to rotted, severely damaged wood, and are the only hope for parts that cannot be replaced because of size, shape or artistic reasons. Restored pieces are fully functional and often stronger and more durable than the original. Repairs are permanent.

# LiquidWood®

**Deep penetrating wood consolidant** that regenerates and waterproofs rotted, dried-out, or spongy wood. Restores structural strength and durability to wood fibers. With LiquidWood, a piece of deteriorated wood that could crumble under finger pressure can be impregnated and restored to a rigid, durable, water and weather resistant wood superior to the original. The hardened mass can be sawed, planed, routed, carved, drilled, nailed, sanded, glued, and painted. LiquidWood is also a primer for WoodEpoxy.

**Uses:** LiquidWood is ideal for regenerating and waterproofing rotted, dried-out or spongy window sills, thresholds, window and door frames, columns, stair steps, balustrades, floors, capitals, moldings, doors, shutters, indoor and outdoor furniture, archaeological and art restoration, boats, and millwork of all kinds.

**Features & Benefits:** LiquidWood has exceptional adhesion, structural strength, versatility, permanence, dimensional stability, and water resistance. LiquidWood A and B are easy to use, are 100% reactive compounds, and contain no VOC's or noxious odors.

**Technical Characteristics:** Contents: LiquidWood consists of 2 clear, epoxy liquids: resin (A) and hardener (B). When A and B are mixed together in equal volumes, by simple stirring, a blend is formed with unique properties to impregnate and restore wood and other porous masses. Application: pour or brush on the wood where it penetrates the fibers and hardens into a water-resistant, distortion-free, high-strength mass in hours or minutes. 100% solids. 1/1 ratio. 30 minute pot life.

		Kg/cm <sup>2</sup>	Mpa	Psi
<b>Tensile Strength</b>		103	10.1	1460
<b>Compressive Strength</b>		366	36	5210
<b>Flexural Strength</b>		63	6.2	900
<b>Hardness Shore D</b>	42			
<b>Elongation</b>	84%			

*"I purchased your wood restoration kit this summer and used LiquidWood and WoodEpoxy in order to repair damaged windowsills that I thought were beyond repair. I had rotted, wet, spongy windows in multiple spots throughout my home. I was absolutely amazed at how well your wood restoration kit worked, and I'm especially astonished by the properties of WoodEpoxy."*

*P.S., Homeowner  
Fayetteville, North Carolina*





# WoodEpoxy<sup>®</sup>

Shrink-free adhesive putty **wood replacement compound** that can be used in any thickness in structural and decorative applications to replace, repair, extend, or fill wood and other materials.

**Uses:** WoodEpoxy is ideal for repairing, replacing, or adding to wood and most rigid surfaces, as well as to dried out, rotted or spongy wood consolidated with LiquidWood. Use on windowsills, thresholds, window and door frames, columns, stair steps, balustrades, floors, capitals, moldings, doors, shutters, indoor and outdoor furniture, statues, archaeological and art restoration.

**Features & Benefits:** WoodEpoxy bonds permanently with high strength to most surfaces. It fills cracks, holes, and voids of any size without the shrinking and crumbling of common wood fillers. It can replace or add missing or new sections in window frames and sills, furniture, sculptures, structural and decorative components, indoors and outdoors. Because of its strength and durability, it is a truly permanent solution where alternatives would surely fail.

WoodEpoxy succeeds because it can be painted, stained, wood-grained, sawed, nailed, planed, sanded, carved, and machined like wood. Can be cast into shapes and sculpted by hand before hardening. It can also be carved after hardening. Bonds equally well to ceramics, concrete, metal, glass, fiberglass, and most rigid surfaces. Contains no VOC's or noxious odors. It has a light, neutral color that can be changed, while mixing with stains, dyes, or pigments. Has a no slump paste consistency that allows it to be applied like a putty to fill gaps, holes, or to build-up virtually any thickness and shape.

**Technical Characteristics:** Contents: WoodEpoxy is a light-weight epoxy adhesive system consisting of 2 components: resin paste (A) and hardener paste (B). When A and B are mixed in equal volumes, the blend hardens within 1-2 hours into a light-weight, non-shrinking, tough adhesive mass with high dimensional stability, chemical, water, heat and weather resistance. 100% solids. 1/1 ratio. 20 minute pot life.

		Kg/cm <sup>2</sup>	Mpa	Psi
<b>Tensile Strength</b>		176	17.5	2500
<b>Compressive Strength</b>		389.8	37.92	2300-2800
<b>Hardness Shore D</b>	53-55			
<b>Elongation</b>	4%			



**LiquidWood and WoodEpoxy are ideal for log home repair and restoration**

# Related Products

**Abosolv™: Solvent for LiquidWood.** Use for thinning LiquidWood and cleaning up.

**Abocure 7912-1™: Cold weather hardener for use with LiquidWood (A)** that can be applied in sub-freezing weather with excellent results. When combined with LiquidWood (A), Abocure 7912-1 permits LiquidWood to harden overnight, even in subfreezing weather conditions. Recommended for exterior use only.

**Abocure 8512-1™: Paste-like cold weather hardener for use with WoodEpoxy (A).** It can be applied in sub-freezing weather with excellent results. When combined with WoodEpoxy (A), Abocure 8512-1 permits WoodEpoxy to harden without an external heat source. Recommended for exterior use only.

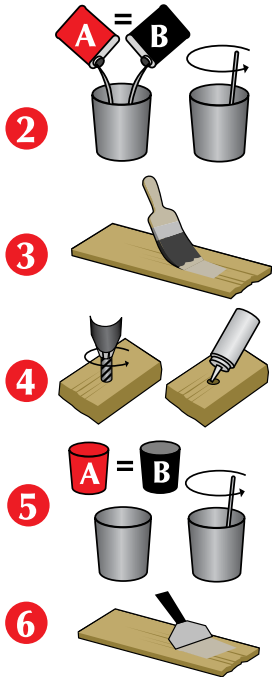
**Pigments:** A variety of pigments that can be blended into WoodEpoxy while mixing uniformly to match wood tones. One or more can be blended to create depth of color and varying tones. Pigments include (from left to right): Dark Brown, Brick Red, Dark Yellow and Black.



**Clearstrip™: Environmentally friendly paint remover** designed to remove multiple layers in one action. Will not mar normal wood patina. It is biodegradable, nonflammable and very low odor. Contains no caustic or methylene chloride. Can be used on most varieties of paints and varnishes.

For a complete description of ABATRON's products and accessories related to wood restoration visit the company's website below or call for a free catalog.

## Follow These Simple Instructions:



1. Apply to clean and dry surface after removing contaminants, oil, grease, wax, old paint and debris.
2. Mix a volume of LiquidWood A with an equal volume of LiquidWood B for at least one minute with blade or paddle.
3. Apply LiquidWood mix to deteriorated wood by brushing, pouring or injecting.
4. For deeper penetration into wood, drill small holes through side grain and across end grain, and pour LiquidWood into holes. Repeat process until wood is saturated.
5. Mix thoroughly a volume of WoodEpoxy A with an equal volume of WoodEpoxy B.
6. Apply WoodEpoxy to wood primed with LiquidWood while LiquidWood is still "tacky" to fill cracks, holes and replace missing wood.
7. Sand, plane, shape, paint and stain restored wood as desired.



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