

Abatron

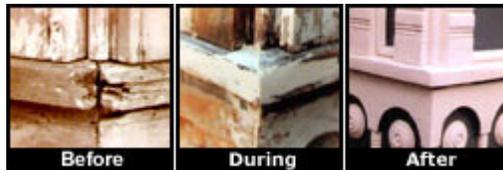
Product Review

Wood Restoration Materials

Abatron has formulated and perfected **the most advanced materials for structural and decorative restoration of damaged wood and substitution, modification or addition of missing wood**. Our R & D department is continuously developing new formulas and improvements for every conceivable need.

Our wood restoration products have the longest success history in their class nationwide, and many have been adopted for standard specifications by many agencies of the USA government, architects, museums, and other restoration professionals.

Due to space limitations, we can show here only a few of our products.



LiquidWood®: Wood Consolidant

WoodEpoX®: Structural Adhesive Putty and Wood Substitute

Unprecedented Wood Restoration System. The New Standard To Restore & Replace Wood

Specified by the U.S. Government, national restoration centers, museums, architects and other professionals, **LiquidWood** and **WoodEpoX** represent **the greatest advance in wood restoration**. They restore rotted, severely damaged windows, columns, frames, broken furniture, structural and decorative wood components,. They are the only hope for parts that cannot be replaced because of size, shape or other reasons. The objects restored with **LiquidWood** and **WoodEpoX** are not merely museum pieces or delicate memorabilia, but **fully functional parts often stronger and far more durable than the original**.

LiquidWood

Liquid wood consolidant. Reinforces, rebuilds, water- and insect-proofs wood by hardening after penetrating. Regenerates rotted windowsills, frames, structural and decorative parts, furniture, boats, columns, floors. Primer for WoodEpoxy.

WoodEpoxy

Structural adhesive putty and wood replacement compound. Most versatile, high-strength no-shrink adhesive paste to fill, repair and replace wood and other materials in structures, walls, floors, furniture, sculptures. A new standard in workshops, plants, buildings, museums, shipyards and homes. Unaffected by water and insects.

Wood Consolidation with LiquidWood®

Consolidation with LiquidWood is the restoration and reinforcement of wood by impregnation with a special resin that hardens after penetrating.

LiquidWood excels in :			
Penetration	Rot resistance	Dimensional stability	Ease of use
Wetting properties	Insect resistance	Virtually no shrinkage	Permanence
Water resistance	Adhesion	Structural strength	Versatility

With LiquidWood, a piece of deteriorated wood that would crumble under finger pressure can be impregnated and restored to rigidity, durability, water, insect and weather resistance superior to that of the original wood.

LiquidWood consists of **2 clear liquids**: the resin (A), and the hardener (B). When A and B are mixed by simple stirring, a blend is formed with unusual properties to impregnate and restore wood and other porous masses.

LiquidWood is brushed or poured on the surface where it must be absorbed. The more porous the wood, the more resin it will absorb, and the greater the improvement.

LiquidWood impregnates the wood fibers and hardens into a water- and insect-resistant, distortion-free, high-strength mass in hours or minutes. The hardened mass **can be sawed, planed, routed, carved, drilled, sanded, glued and painted.**

LiquidWood is also a primer and surface consolidant on rotted and porous surfaces, for subsequent applications of **WoodEpoxy**, paints or glues. For sound surfaces that require no consolidation, **PrimKote** primer is mostly used. The preparation with **LiquidWood** creates a proper interface on porous masses, a strong receptive surface for adhesion on most areas.

LiquidWood is designed to **impregnate and reinforce fibers and other absorbent masses**. That is: holes, cracks or other voids are best filled with **WoodEpoxy**, after

impregnating and priming the existing fibers with **LiquidWood**. The combination of these two products offers superb results unequaled by any other restoration material.

TYPICAL APPLICATIONS:

Rotted, dried-out or spongy windowsills - thresholds - window and door frames - columns - posts - stair steps - railings - balustrades - indoor and outdoor furniture - porches - gazebos - stages - platforms - balconies - countertops - cornices - capitals - entablatures - structural and decorative components - walls - mouldings - doors - shutters - artifacts - archeological and art restoration - protective impregnation.

Wood Repair and Replacement with WoodEpoxy

WoodEpoxy is a paste for filling, adding and building up, whereas **LiquidWood is a liquid** for penetration and impregnation.

WoodEpoxy is a light-weight structural adhesive putty system and wood substitute consisting of 2 components: resin paste (A) and hardener paste (B). When A and B are mixed, the blend hardens within 1-2 hours into a lighter-than-water non-shrinking, tough adhesive mass with high dimensional stability, chemical, water, heat and weather resistance. Its appearance is a light neutral color that can be changed, while mixing, with stains, dyes or pigments. It has a no-slump paste consistency that allows it to be applied like putty to fill gaps, holes, or to build up virtually any thickness and shape.

WoodEpoxy offers unique properties:

- It **bonds permanently** with high strength to most rigid surfaces.
- **It fills** cracks, holes and voids of any size without the shrinking and crumbling typical 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 as different from conventional wood fillers as a permanent solution from temporary remedies.
- **It can be sawed, nailed, planed, sanded, machined, carved, stained, painted like wood.**

Large and small holes or cracks, missing corners, edges, depressions can be filled, replaced or restored by adding the **WoodEpoxy** paste by hand, spatula, knife or trowel. The material **becomes a permanent part of the surface to which it is applied. It bonds equally well to wood, ceramics, concrete, metal, glass, fiberglass and most rigid materials.**

Plastic film, masking tape, contact paper, wax-coated plywood, other sheets or shapes can be used to level or mold the freshly applied mass until it hardens. Furthermore, unshaped **WoodEpoxy** masses can be easily carved, cut, sawed, planed and otherwise worked after the material has hardened.

WoodEpoxy can also be **sculptured by hand into any shape, before hardening.** Besides the obvious use for sculptors, another interesting application is shaping **handles, knobs,**

larger-sized or modified handling devices for handicapped people. When the shaped **WoodEpoxy** is applied to the intended surface, it bonds permanently as it hardens.

TYPICAL APPLICATIONS:

Damaged, cracked or broken windowsills - thresholds - window and door frames - columns - posts - stair steps - railings - balustrades - indoor and outdoor furniture - porches - gazebos - stages - platforms - balconies - countertops - capitals - entablatures - structural and decorative components - walls - mouldings - doors - shutters - artifacts - archeological and art restoration - sculptures - protective filling and resurfacing - models - patterns - mock-ups - handles - knobs - all kinds of shapes.

Most of the same application list can be used for **LiquidWood** and **WoodEpoxy** because the two materials complement each other ideally.

The above information is the result of accurate laboratory and field tests. However, no guarantee, expressed or implied, is offered, as uses and applications are beyond our control. The user is urged to pre-test the above materials in his own environment and application, and to be aware that typographic errors cannot always be detected in time. Specifications may be subject to state-of-the-art changes.