

Preservation Solutions



Innovators of Environmentally Safe Products for Wood and Leather

POLYCRYL™

The Wood Fortifier

Polycryl™ is a non-toxic, large molecular weight acrylic polymer that will fill and strengthen soft, semi-punky or spalted wood. It will not yellow or discolor the wood. Polycryl™ is ideal for strengthening the soft areas of wood so that it can be turned, carved or worked with. It is water-soluble and penetrates best when the wood is green.

Note: Polycryl™ may not fortify extremely punky wood and it will not penetrate hard wood. It can be used to strengthen the soft areas of wood prior to using Pentacryl™ to stabilize the rest of the wood.

Coverage: How much Polycryl needed will depend on the size and thickness of the area to be fortified, how soft it is and the type of wood.

Directions: If possible, the wood should be rough carved, planed or turned first. By removing wood that you will not be using, material will not be wasted and there will be less wood that the Polycryl™ will need to penetrate through. Start with adding 1 part Polycryl™ to 4 parts hot tap water and mix well. It is important to start with a diluted solution first to obtain maximum penetration.

Note that Polycryl™ will only penetrate the soft areas of the wood.

There are two methods used to apply Polycryl™, *soaking* and *brushing*. Clean up with soap and water.

Soaking Method: Use only a plastic, fiberglass or stainless steel container as other metal containers may react with the Polycryl™ and discolor the wood. Fill the container with enough of the weakened solution to cover the wood and soak the wood overnight or until it is completely saturated. Once saturated, place the wood in a full strength solution of Polycryl™. Let the wood remain in the solution for a minimum of one week. Large pieces may take longer. Once the wood is saturated with the full strength solution, drain and proceed to drying.

Brushing Method: When a piece of wood is too large to soak, the Polycryl™ can be brushed on. First brush on the weakened solution of 1 part Polycryl to 4 parts hot tap water until the wood is saturated (it will take several applications). Cover the wood with plastic to prevent it from drying between brushing applications. Once saturated, apply a full strength solution of Polycryl™. Continue brushing on as much as the wood will absorb, keeping the wood wrapped in plastic between applications. This may take a week or more of repeated applications. Once saturated, proceed to drying.

Drying: Remove the plastic to dry. It is best to dry the treated wood where there is no direct heat, air movement or exposure to sun, rain or wind. The ideal scenario is to let the wood dry naturally and *slowly* inside at temperatures between 50-65°F. A basement is ideal. If the wood is dried too fast, cracking can occur.

Do not apply a finish or sealer until the wood has completely dried. If the wood is sealed prior to drying moisture will be trapped inside and the wood will eventually rot from within.

FOR INDOOR USE ONLY – if Polycryl is used on wood intended for outdoor use, the wood will need to be sealed (once completely dried) so that the product will not leach out.

Note: Always use proper eye protection.

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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