

# POLYCRYL™

## “The Wood Fortifier”

POLYCRYL, is a concentrated, high molecular weight acrylic polymer that will fill and strengthen soft, spalted or punky wood. It will dry clear and will not yellow the wood. POLYCRYL is water-soluble and penetrates best when wood is wet. It will help make carving and turning easier by fortifying the wood. Penetration varies depending on the density of the wood you are treating.

Since POLYCRYL is water-based, treated wood needs to be finished so the product will not wash out.

POLYCRYL should be diluted with hot tap water and brushed on or the wood can be immersed (soaked) into a solution of POLYCRYL.

When the POLYCRYL treated wood has dried, the wood can be glued or finished with various finishes. Easy soap and water clean up.

The following are some of the most common questions and answers relating to the use of POLYCRYL.

### **Q: Why is it necessary to put on different mixtures of POLYCRYL and water?**

**A:** The reason for starting out with a thin mixture first, is to get the deepest penetration. If POLYCRYL is applied in it's concentrated form, it would block the surface and prevent further penetration.

### **Q: Can POLYCRYL be used as a concentrate without diluting?**

**A:** In some rare cases when the wood is extremely soft, POLYCRYL can be used in it's concentrated form. However, POLYCRYL is not intended to be used to fill gaps in wood that has become decayed.

### **Q: Will Polycryl yellow over time?**

**A:** No, POLYCRYL is light fast and does not yellow or darken in the wood with time.

### **Q: What if the wood is soft in some areas and hard in others? Will POLYCRYL work for this application?**

**A:** POLYCRYL is a large molecular polymer and will only penetrate the soft areas of the wood. Any build up of POLYCRYL on the hard areas can be wiped off with a damp cloth.

### **Q: Can POLYCRYL be used as a finish?**

**A:** No, POLYCRYL should not be used as a finish. POLYCRYL remains moisture sensitive and can be washed off with water. For this reason, wood should be finished after treating with POLYCRYL.

### **Q: What type of finish can be used with POLYCRYL?**

**A:** Any type of finish is compatible with POLYCRYL. We have yet to find a finish that will not work with POLYCRYL.

### **Q: Can wood treated with POLYCRYL be glued?**

**A:** Yes, wood treated with POLYCRYL can be glued. However, the wood should be completely dry prior to gluing.

### **Q: Do I need to use PENTACRYL if I am using POLYCRYL?**

**A:** POLYCRYL is used on wood that is degraded and degraded wood has less stress, therefore, in most cases, PENTACRYL is not necessary to stabilize the wood.

### **Q: Can POLYCRYL be used on bowls and eating utensils?**

**A:** Although POLYCRYL is considered non-toxic, it is not registered as food grade. Therefore, we cannot endorse that it can be used on items intended for use with food.

### **Q: How fast can I dry wood treated with POLYCRYL?**

**A:** Wood treated with POLYCRYL should be dried slowly. Remember that moisture has been added to the wood. Rapid drying can cause checking and/or cracking. A good method of slowing down the drying is to place the treated wood in a cardboard box and loosely fold the top. This will slow the drying and still allow the wood to breathe.

### **Q: What is the best method of applying POLYCRYL?**

**A:** The method used depends on the size of the wood you are treating. Smaller pieces can be soaked in POLYCRYL, while larger pieces can be treated by brushing POLYCRYL on.

Keep in mind that most of the absorption is through the end grain. If you are treating bowls, pour the first diluted solution into the bowl and periodically add more POLYCRYL to the solution until the desired concentrate has been reached. Be sure to keep the bowl covered with plastic during treatment to prevent evaporation. To prevent mold growth, do not leave the wood covered in plastic longer than 7-10 days. **Remove the plastic when drying the wood.**

### **Q: Can POLYCRYL be reused?**

**A:** Yes, the POLYCRYL left from soaking can be reused to treat other wood.

### **Q: Does freezing harm POLYCRYL?**

**A:** No, freezing will not harm POLYCRYL. Be sure to bring the POLYCRYL back to room temperature prior to using. Note: the wood should also be at room temperature when treating, to insure proper penetration.

### **Q: What is the shelf life of POLYCRYL?**

**A:** POLYCRYL has an indefinite shelf life.

### **Q: What can I use to clean brushes used to apply POLYCRYL or to clean up a spill?**

**A:** POLYCRYL can be cleaned off/up with soapy water, SOLVITOL, or any mineral solvent.

## ADDITIONAL WOOD TREATMENT PRODUCTS

### **END GRAIN SEALER *New Product!***

End Grain Sealer is a non-toxic wax emulsion that is applied to the end grain of green wood or the face grain of turning blanks or carvings. Since up to 70% of the drying is through the end grain of the wood, it is beneficial for slowing down and evening out the drying of green wood.

This product can be used on logs, timbers, lumber, turning blanks carvings and other green wood items.

END GRAIN SEALER can also be applied to wood that has been treated with PENTACRYL, WOOD JUICE or LOG & BEAM TREATMENT. This will help slow the drying of pieces treated with our wood stabilizers and is especially good for large pieces.

### **EXTERIOR WOOD SEALER *New Product!***

This is a sealer with no VOCs, made for use on exterior wood. When applied after using our wood stabilizer products, it will prevent the product from leaching out over time, while still allowing the wood to breathe.

It contains a UV protectant to help prevent the wood from graying and sun fading.

### **LOG & BEAM TREATMENT™**

This product was specifically designed for use on larger logs, beams and timbers to reduce or eliminate cracking, splitting, checking and/or warping caused by shrinkage as the wood dries. It is great for use on log homes, post & beam or timber frame homes and structures.

LOG & BEAM TREATMENT will penetrate deep into the wood and will not darken the wood. It contains a UV protectant. Can be used on exterior logs, however, it will need to be sealed to prevent it from leaching out. Available in 1 gallon size or larger.

### **PENTACRYL™**

Our most popular product! Used to stabilize green wood. It displaces the moisture in the wood and coats the wood cells. This prevents the wood from shrinking while it dries, which significantly reduces the cracking and checking. PENTACRYL contains a UV protectant to help prevent fading from exposure to the sun.

### **WOOD JUICE™**

This wood treatment was formulated specifically for use on dry to semi-dry wood to prevent *future* cracking or splitting. It can be used in place of PENTACRYL on *stable* green wood such as Basswood, when the moisture content of the wood is 30% or lower *OR* when the wood has been sawn into boards which removes much of the stress.

Once dry, wood can be treated afterward with any type of stain, finish or glue. Contains a UV protectant. Popular for pen blanks and knife handles.

### **SOLVITOL™**

A high quality odorless solvent. Since SOLVITOL has a flash point above 200°F, it is not considered combustible by DOT regulations and this makes it safe to ship without restrictions. SOLVITOL also has a very slow evaporation rate, which makes it safer to work with (with low VOCs). It has many uses, such as a brush cleaner, thinner (will slow down drying of oil paints), and as a general cleaning solvent. It can also be used to wipe off any residue left on the surface of wood after treating with our wood stabilizers and prior to gluing, staining or finishing.

Products are available in the following quantities:  
Quart • Gallon • 5-Gallon • 30-Gallon Drum • 55-Gallon Drum

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