

POLYCRYL™

“The Wood Fortifier”

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

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

POLYCRYL is applied by first diluting with hot tap water and then brushing on or the wood can be immersed (soaked) in a solution of POLYCRYL. Then a stronger application is applied.

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, is to get the deepest penetration. If POLYCRYL is applied in it's concentrated form, it will block the surface and prevent further penetration.

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

A: In some cases when the wood is fairly soft and punky, POLYCRYL can be used in it's concentrated form. Note that 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 lightfast 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 will just lay on the surface and 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: We recommend using an oil or alcohol based finish. Water based products add moisture into the wood and can leave the surface tacky.

Q: Can wood treated with POLYCRYL be glued?

A: Yes, wood treated with POLYCRYL can be glued. However, be sure the wood is 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, but can be used after POLYCRYL if needed on other areas of green wood.

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

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

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 (small pieces) in a cardboard box and loosely fold the top or buried in saw shavings. This will slow the drying and still allow the wood to breathe. Large pieces should be put in a cool area away from direct air movement and heat.

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 4-5 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. However, do NOT pour the used POLYCRYL back into the concentrated container.

Q: Does freezing harm POLYCRYL?

A: No, freezing will not harm POLYCRYL. If it does freeze, be sure to bring the POLYCRYL back to room temperature slowly prior to using (do not heat). Note: to insure proper penetration wood should also be at room temperature (not cold or frozen) when treating.

Q: What is the shelf life of POLYCRYL?

A: POLYCRYL has an indefinite shelf life. Be sure to keep it in a closed container.

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 or a mineral solvent.

ADDITIONAL WOOD TREATMENT PRODUCTS

END GRAIN SEALER

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, this product 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 wood treated with our wood stabilizers and is especially good for large pieces.

EXTERIOR WOOD SEALER

This is a sealer made for use on exterior wood. When applied after using our wood stabilizer products, it will prevent the product from leaching out over time from weather, while still allowing the wood to breathe and continue to dry.

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, post & beam or timber frame homes and structures.

LOG & BEAM TREATMENT will penetrate deep and will not darken the wood. It contains a natural UV protectant. This product can be used on exterior wood, however, it will need to be sealed to protect it from the elements and leaching out. Available in 1 gallon size or larger.

PENTACRYL™

Our most popular product! Used to stabilize green wood. It displaces the moisture in wood and coats the wood cell walls. This prevents the wood from shrinking while it dries, which significantly reduces the cracking and checking.

Once dry, wood can be sanded, glued, wood burned and treated with a stain or finish.

WOOD JUICE™

This wood stabilizer treatment was formulated specifically for use on dry to semi-dry wood to prevent **future** cracking or splitting. It will also condition old, dry wood with just 1 coat. WOOD JUICE can be used in place of PENTACRYL when the moisture content of the wood is 20-25% or lower **OR** when the wood has been sawn into boards which removes much of the stress. Note: Do not use Wood Juice on wood that is already completely dry with a

moisture content below 15-18%. If completely dry wood is saturated with Wood Juice, it will just sit in the wood and not dry properly.

Once treated wood has dried, it can be sanded, glued, wood burned and treated with a stain or finish. WOOD JUICE is also popular for treating pen blanks and knife handles.

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

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