

#### DESCRIPTION

21POLYPLUS is an economical state-of-the-art polymer coating that is designed to encapsulate chemical wood preservatives and protect treated lumber from marine borers. This versatile do-it-yourself coating imparts a tough, abrasion-resistant monolithic coating that lasts for years when properly applied.

#### FEATURES

- Water-based. No solvents or VOCs.
- Unlimited color choices available.
- Fast set. Can usually be handled within one hour.
- Can be brushed, rolled, or sprayed between 40°-85°F.
- Can be applied in multiple coats to obtain a high build.
- Cuts are easily patched using the same material.
- Extended pot life.
- Can be applied over steel hardware to extend the service life of the component.
- Versatile. Piles can be zone coated, saving money.

#### COLORS

21POLYPLUS can be tinted to any color by adding ½ gallon of exterior acrylic latex paint to the kit.

The high resin content in 21POLYPLUS protects the pigment, creating a colorfast material that will hold for years.

#### USES:

- Pier piling
- Cross braces on wharves and piers
- Tongue and groove treated lumber sheeting for seawalls
- Wale systems
- Wood repairs.
- Wood adhesive.

PROPERTIES AT 77 ° F (25° C)	
Weight Per Gallon (approx.)	12.3
Number of Coats	2
Coverage (sq.ft.)/Kit (approx.)	140 -180
Viscosity (cps) (approx.)	70,000
Shelf Life - Unopened	8 months
Shelf Life - Activated	10 days

CURING SCHEDULE AT 77° F (25°C)	
Tack free (approx.)* first coat	8-12 minutes
Tack free (approx.)** first coat	15-22 minutes
Post cure***	48 hours
Recoat	Immediately after base coat dries

\* Without Pretreat primer.

\*\* With Pretreat primer.

\*\*\* Submersion in water 48 hours after coating promotes the curing process. Complete polymerization and cure to achieve final strength can take up to several weeks depending on conditions

such as ambient air and water temperatures.

#### GENERAL APPLICATION INSTRUCTIONS

Encore Coatings, LLC recommends the use of Pretreat™ as a priming mechanism on wooden substrates. Pretreat is a dual-purpose primer, increasing the dimensional stability of the substrate and adhesive properties of 21POLYPLUS. Apply Pretreat according to instructions.

Apply 21POLYPLUS only to clean, dry, sound lumber surfaces free of loose particles or splinters. Prior to coating, an elastomeric caulk may be used to fill large checks or splits in the wood.

21POLYPLUS MUST BE APPLIED IN TWO COATS. It is generally recommended that for most marine piles and rough cut lumber, 21POLYPLUS be applied with a ¾" nap roller. Great care must be taken in the application of the base coat to properly fill checks and splits in the substrate. It is recommended that applicators roll the coating across the grain when applying the base coat. This will help insure adequate filling and a uniform final mil thickness.

Allow the base coat to dry. 21POLYPLUS will dry faster on warm sunny days. Do not apply when temperatures rise above 85° F or fall below 40° F. Apply the second coat once the base coat is completely dry. Roll the second coat in the direction of the grain, taking care to fill any remaining voids in the base coat and to gain a uniform mil thickness. Final mil thickness must be at least 30 mils.

Clean tools with water. Dispose of used container in state or locally approved landfill.

#### MIXING AND THINNING

The 21POLYPLUS kit contains two poly bags. One bag contains a wet resin mix; the other contains a dry organic blend. Carefully remove both bags from the pail.

Empty the wet resin in the pail and add ½ gallon of exterior acrylic latex paint to the pail. Mix with drill mixer.

Add the dry organic blend to the pail and mix thoroughly for at least three minutes. **Important:** Take care to insure that the organics have been completely broken down. Final blend should be a smooth viscous material, free from organic particles/clumps. Aside from adding the paint requirement, do not add additional materials or thin, as thinning will affect product performance.

#### GENERAL SAFETY, TOXICITY & HEALTH DATA

A Material Safety Data Sheet (MSDS) is available on this coating material. Any individual who intends to come into contact with this coating or intends to apply the coating should read and understand the MSDS beforehand. A copy can be requested by contacting Encore Coatings, LLC.

**WARNING:** Take precautions to protect eyes, hands, and respiratory system, when mixing the components of this kit. Hypersensitive persons should wear protective clothes and eye protection.

**EYE PROTECTION:** Wearing safety glasses is recommended while mixing the components of this kit.

**SKIN PROTECTION:** The use of protective gloves is recommended while mixing the components of this kit.

**RESPIRATORY PROTECTION:** Use of a respirator approved for organic vapors is recommended while mixing the components of this kit.

**INGESTION:**  
Do not take injest.

#### **GUIDELINES & LIMITATIONS**

- Use best practices for substrate preparation. In order to achieve maximum adhesion, the substrate must be clean, dry, and free from loose material.
- Substrate material must be pressure treated pine bearing a treatment level of not less than 2.5 lbs./cu.ft. CCA.
- Apply this coating to a cool dry substrate when temperatures are between 40° F and 85° F.
- Do not apply when rain is expected within 12 hours.
- Checks and splits must be completely sealed in order to prevent localized saturation of the substrate.
- Cuts made to the finished parts must be patched using this coating and must be at least 30 mils.
- This product **MUST** be applied in at least two coats to a minimum mil thickness of 30 mils.
- Allow finished parts to cure for 48 hours prior to installation.
- Activated and un-activated coatings should be tightly sealed and stored at temperatures between 60° F and 70° F.

#### **WARRANTY AND DISCLAIMER**

Encore Coatings, LLC warrants marine structures that are coated with this product against failure due to marine borer attack for a period of twenty years.

The sole exclusive remedy of buyer, which is to have Encore Coatings, LLC replace the product at no cost to the buyer, is conditioned upon the buyer notifying Encore Coatings, LLC or its distributor in writing of such failure within thirty days of the discovery of such failure.

Claims that are the result of the applicator's failure to properly prepare the substrate or apply the coating according to the guidelines and limitations set forth herein shall not be the responsibility of Encore Coatings, LLC and shall void this warranty and relieve Encore Coatings, LLC of any performance under the Warranty.

The liability of Encore Coatings, LLC for any nonconformity of the product to its technical specification shall be limited solely to replacement of the product.

The aforementioned data and Warranty on this product is to be used as a guide and is subject to change without notice.

The information herein is believed to be reliable, but unknown risks may be present. Encore Coatings, LLC makes no warranties, express or implied, including patent warranties or warranties of merchantability or fitness of use, with respect to products or information set forth herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent.

Accordingly, the buyer assumes all risks whatsoever as to the use of this product and buyer's exclusive remedy as to any breach of warranty, negligence, or other claim shall be limited to the

purchase price of the materials. Failure to adhere to any recommendation procedures shall relieve Encore Coatings, LLC of all liability with respect to the product and the use thereof.

For additional information visit [www.encorecoatings.com](http://www.encorecoatings.com) or contact Encore Coatings, LLC using the information below.

Encore Coatings, LLC  
148 W. Main Street  
Suite 209  
Cartersville, GA 30120

Technical Assistance: 770-330-7260

[encorecoatings@gmail.com](mailto:encorecoatings@gmail.com)

