



# COMPOSITE COATING FOR WOOD

## Material Property Data Sheet

Bulletin 2537733

Oct. 12, 2010

### PRODUCT INFORMATION AND BEST PRACTICES

<b>Typical Use</b>	Encore for Wood is a two-part, water-based composition of dry organic chemistry and micronized polymers. When applied to a properly prepared wood substrate, Encore repairs damaged wood and extends the life of the structure. This product is an excellent choice for wood decks, docks, ramps, walkways, tables, benches, etc., that receive exposure to the sun and weather. <b>Note:</b> This product will not repair wood that is structurally unfit for use. Substrates fitting this description must be replaced.
<b>Package/Kit Size</b>	Partial 5 gallon container containing approximately 2.7 gallons of material.
<b>Color Range</b>	Color is attained by adding 1 gallon of acrylic semi-gloss paint of the customer's color choice to the kit.
<b>Composition</b>	<b>Pigment:</b> Determined by paint color choice. <b>Components:</b> <b>Resin blend:</b> Stabilized acrylics within a continuous aqueous phase. <b>Organics:</b> Proprietary organics, silicates, and other additives. <b>Binder:</b> Water-based polymer blend. <b>Solvent:</b> Water.
<b>Volume Solids</b>	80-87% depending upon paint selection.
<b>Mixing</b>	Using the 5-gallon pail supplied, the resin blend is blended with one gallon of paint (not supplied). Thereafter, the organics are gradually introduced creating a high-viscosity coating that can be applied immediately.
<b>Application Method</b>	Using a ½" nap roller or brush, apply first coat (repair coat) perpendicular to the wood grain. The repair coat should be applied fairly liberally in order to fill checks and fastener cavities on the surface. Feather leading edge of coating to prevent lap marks. Allow to dry. Apply second coat (finish coat) in the direction of the grain. (Note: The manufacturer recommends the use of Pretreat prior to the application in order to enhance service life.)
<b>Pot Life</b>	10 hours at 70°F if left open and exposed.
<b>Storage and Expected Useful Life</b>	Seal container tightly and store in dry, cool space. Depending on ambient temperature, the contents will store for up to two weeks.



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<b>Film Thickness</b>	Approximately 4.5 mils per coating. Actual result is dependent upon size of nap roller used, ambient temperature at time of application (best if applied between 40°F and 80°F), and application technique.
<b>Drying Time</b>	Repair coat at standard thickness. Applied at 80°F ambient outdoor temperature and 50% humidity: 7 minutes.  Finish coat at standard thickness using the above conditions: 6 minutes.
<b>Theoretical Coverage of one Kit applying two coats</b>	Between 160 and 200 square feet. Factors affecting actual coverage include the condition of the substrate, climate, and application technique.
<b>Clean Up</b>	Clean brushes, rollers, and other tools thoroughly with water.

### SURFACE PREPARATION

A successful, long-term application begins with a properly prepared substrate. If there are dead wood fibers on the surface, they should be abraded and removed using a pressure washer or other means in order to expose wood fiber that is structurally fit to be coated. Next, ensure that the surface/substrate is completely dry, clean, and free from any grease, oil, dirt, or coatings. Follow the recommendations below.

### OTHER RECOMMENDATIONS

<b>Use of Pretreat Adhesive Primer</b>	Pretreat is a special blend of micronized polymers that penetrate deeply into the wood substrate and promotes the dimensional stability and adhesion of the Encore coating. Pretreat is recommended for use on wood surfaces that are exposed to direct sun and rain.
<b>Inclement Weather</b>	Do not apply within six hours of expected rainfall.
<b>Best time to apply</b>	Apply early in the morning, after temperature rises above 40°F and any dew has evaporated from the surface. Stop work once temperatures rise above 90°F. Resume work in the afternoon when temperature resides within recommended working temperatures.
<b>Safety</b>	Follow safety procedures that are consistent with the use of water-based paints. Don't ingest. Don't consume. Don't allow inexperienced personnel to use. After use, clean tools thoroughly. Seal contents tightly and store in dry, cool area that is out of the reach of children.
<b>Product Testing</b>	See Specification for ASTM results on skid resistance, adhesion, and abrasion.

