



Product Data Sheet

PB Resin Epoxy Resin

DESCRIPTION:

PB Resin is a two-part modified epoxy resin that can be applied in clear form, or mixed with lettering enamels to quickly and easily create a high gloss color finish. PB Resin will create an ultra smooth surface on Precision Board Plus, any density, with no priming and no sanding. PB Resin can also be applied to polystyrene, wood, stone, steel, aluminum, and almost any other substrate.

APPLICATION:

A smooth, opaque finish can usually be achieved on flat surfaces in one coat. No priming, no sanding! Rough areas may need two coats. Application must be done on level working surface.

The ratio of PB Resin part A to B is 50:50 by volume. The resin must be thoroughly mixed for two minutes minimum. Use care not to whip in air. Accurate ratio and complete mixing is very important to ensure proper resin cure. **If resin is not completely mixed it will not cure and will remain soft.** If this occurs it must be removed and reapplied.

PB Resin can be tinted to any color, other than white, using standard oil based paints or lettering enamels. Tinting with white is not recommended as it will yellow over time always make a test with each paint to confirm compatibility and cure. Add a small amount of desired color directly into mixed resin. About 1 tsp. per 8 oz. Mix for 1 minute. Place drop of mixture on printed page. If you can read print, add a little more color, mix well. Only use enough paint to block out printed page. Too much paint can slow cure and make resin soft.

PB Resin can be applied directly from the mixing cup or from a squeeze applicator bottle. Apply resin directly to unpainted surface and allow it to completely flow out. Assist flow out with stir stick, etc. The resin's high surface tension keeps it from going over the edge.

Wait 24 hours before applying gold leaf, lettering enamels, or etc. If second coat is required, wait for complete cure of first coat. Wait minimum of 4 hours prior to moving the coated item. Clear PB Resin must be painted to keep it from yellowing.

Air bubbles formed during the application process are easily removed by spraying a fine mist of denatured alcohol over the affected area. Bubbles must be removed two to three times as they re-appear. Multiple light sprayings are best. Do not add additional resin after alcohol has been applied. Use only 91% Alcohol to make surface smoother.

Working Time

After PB Resin has been thoroughly mixed for about 2 minutes the working time is approximately 25 to 35 minutes. The hotter the temperature the shorter the working time. The larger the batch the faster the cure.

Do not mix a new batch of PB Resin into an older batch of resin. It will not flow out and the cure will be inconsistent.

Clean Up & Storage

Clean hands with warm, soapy, water. Tools used can be cleaned with mineral spirits. Store PB Resin in a cool place and keep out of sunlight. Do not allow to freeze. If product hardens, slowly heat to about 100°F until it softens. Do not overheat.

CAUTION: Use with adequate ventilation. Avoid prolonged contact with skin and breathing of vapor or spray mist. Close container after each use. Do not take internally. Do not transfer contents to bottles or other unlabeled containers. Harmful or fatal if swallowed. Do not induce vomiting. Call physician immediately. **KEEP OUT OF REACH OF CHILDREN.**

Note: For questions regarding use of PB Resin, please contact Coastal Enterprises at (800) 845-0745.

WARRANTY: All recommendations for product use have been derived from experience and test data believed to be reliable. We warrant and guarantee the uniformity of our products within manufacturing tolerance. However, since the use of our products are beyond our direct control, they are furnished upon the condition that each party shall make his/her own tests to determine their suitability for his/her particular purpose. Except as stated herein, Coastal Enterprises Company makes no warranty or guarantee, expressed or implied, and disclaims all responsibility for results obtained, nor assumes any liability for any damages, whether arising out of negligence or breach of guarantee and is hereby expressly limited to replacement of product only. For additional information on product handling, please refer to PB Resin MSDS.