



EcoPoxy Resin & Clear Hardener

KEY FEATURES:

- 100% solids
- 100% water proof
- Excellent chemical resistance and hardness
- High Adhesion
- Good clarity and gloss retention
- Low viscosity
- Non Toxic, Low Odor, Low VOC's

RECOMMENDATIONS:

INTENDED USE:

Composites Manufacturing, Wood Lamination, Wood Finishing

SURFACES:

Fiberglass, Wood, Metal, Concrete and Masonry

DESCRIPTION:

EcoPoxy Resin and Clear Hardener is a 100% solids crystal clear epoxy laminating systems for extreme performance and demanding visual applications including carbon fiber skinning, board manufacturing and wood finishing. The system is formulated for the manufacturing of composites parts or wood laminates while retaining some flex for improved fatigue performance and provides high end finish aspects requirements.

It produces superior results and an exceptional highly durable finish, the delivery of high adhesion, chemical resistance, hardness and long term durability are all impressive. This system creates a durable part or surface that protects against wear and is acceptable for use where chemicals, water, salt, impacts and abrasions are present.

EcoPoxy Resin and Clear Hardener is intended for use where laminates will remain unpainted, showcasing reinforcements such as carbon fiber, natural fibers, inlaid graphics or beautiful wood grains.

EcoPoxy Resin and Clear Hardener should not be applied when surface temperature is above 90 degrees F. or below 60 degrees F



Mix Ratio: 3:1

Pot Time: 20 minutes depending on ambient temperature

Cure Time: 48 hours @ 70 degrees F. @ 50% RH using spread rate of 200 sf/gall.

Set to Touch: 6-8 hours depending on ambient temperature, humidity and thickness.

Minimum Re-apply Time: 6-8 hours depending on ambient temperature, humidity and thickness

Maximum Re-apply Time: 24 hours

Clean Up: De Naturated Alcohol

Storage: 55 degrees F. through 85 degrees F. with tightly sealed lids

EcoPoxy Resin and Clear Hardener Application:

The viscosity is adapted for squeegee, brush or roller application and provides a perfect surface due to its surface tension properties. The mixing ratio must be accurately followed. It is not possible to change the ratio, it would result in lower mechanical properties. The mixture should be thoroughly stirred to ensure full homogeneity. It is important to note that epoxy systems tend to heat up much faster in a pot than as a thin film. It is therefore necessary to only mix the necessary amount usable within the given pot life. Keeping the mixture in flat open containers reduces the risks of exothermic reaction

The standard procedure of working with epoxy systems applies to this system. It can be applied by squeegee, brush, roller, infused or injected. In case of laminating over a cured surface without peel ply, it is required to deglaze, clean and degrease the support prior to laminating.

It is recommended to have workshop temperature conditions between 60-80 degrees F. in order to facilitate the mixing and the reinforcement fibers impregnation. A lower temperature will increase the viscosity of the mix as well as its pot life. On the contrary, a higher temperature will reduce the viscosity and the pot life of the mix.