

## TECHNICAL DATA SHEET

### UVPoxy 1:1 Ratio

#### **DESCRIPTION:**

EcoPoxy **UVPoxy** is a high performance two component clear epoxy system designed for table tops, bars, wood finishes, see-through encapsulations, art work, and other applications requiring a clear, strong, epoxy coating specifically designed to resist yellowing caused by the sun and other Ultra Violet light sources.

The material has an easy to use 1 to 1 by volume mix ratio, wets out substrates well, maintains its integrity over sharp corners, it has excellent air release qualities, and a relatively fast set time for an epoxy coating which may be accelerated by mild heat to 160F. While this material will do much better than competitors products for non yellowing we still do not recommend it for permanent outdoor applications.

#### **Advantages**

- 100% Solids
- Self Leveling, High Gloss
- U.V. Resistant Formula
- Excellent Air Release
- Excellent Color Stability
- Improved Impact Strength
- Improved Surface Appearance
- Early Development of Physical and Performance Properties
- Produces a Tough, High Gloss, Water Resistant Coating
- Eliminates Craters, Crawling and Fish Eyes
- Blush Resistant

	<b>Resin</b>	<b>Hardener</b>
Appearance:	Clear Syrup	Clear Syrup
Viscosity, Spindle #4 @ 6 rpm:	12,000 (+/- 2,000)	1,150 (+/- 300)
Weight per Gallon:	9.6 Lbs.	8.0 Lbs.
Mix Ratio:	1 to 1 by Volume or 100 A to 83 B by Weight	
Gel-Time (200 gr. mass):	25 minutes (+/- 5 min.)	
1/4" Casting Tack Free Time:	2.5 hours (+/- 30 min.)	
Thin film Set Time	4 to 8 Hours depending on thickness and ambient temperature	
Full Cure	24 to 48 hours for optimum properties	
Hardness	70 Shore D (full cure)	
Elongation	> 15%	

#### Application Tips

Mix material slowly to avoid excess air entrapment, after applying wait several minutes then eliminate bubbles with a heat gun or alcohol mist. Substrates must be clean and area should be dust free.

Use adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given in good faith but should be verified by the end user, as to the suitability of the material for their application. The warranty of this material shall be limited to the replacement of defective material