



XPS CAST RESIN ULTRA-CLEAR

3 GAL. KIT

DESCRIPTION

XPS Cast Resin ULTRA-CLEAR is the ultimate DIY Epoxy Resin Kit for the everyday artist, it is self leveling and cures under normal and low temperature conditions, has strong adhesion, good flow and is resistant to yellowing. It allows for low-temperature, heat-curing after mixing, with a maximum mixing quantity of 441lbs and maximum casting thickness of 20cm, and also allows for Greenhouse-curing or heat-curing; dedicated to large pieces of crafts, jewelry, and electronics. Great for potting, bonding, molding and other electronic parts such as insulation. Moisture-proof, potting and confidential sealing.

TIP

1. If it comes into contact with food after curing, food temperature should not exceed 122°F/25°C.
2. When hardness is higher than 82D (shore hardness), it can be directly polished.
3. This is a deep pour cast resin for small and large projects such as casting epoxy river tables, countertops, and many more applications. Casting thickness is less than 10cm.

HARDENING PROPERTIES

	Resin: Part A	Harder: Part B
Color:	ULTRA-CLEAR	ULTRA-CLEAR
Contents:	1 GAL.	1 GAL.
Format:	3 GAL. Kit	
Viscosity 77°F/5°C:	1500-1800 CPS	100 MAX CPS

CONDITIONS OF USE

1. Ratio: A:B=100:33 (Weight Ratio)
A:B=100:50 (Volume Ratio)
2. Hardening Conditions: 77°F/25°C x 24H (100g) or 131°F/55°C x 2H (2g)
3. Pot Life & Cure: 77°F/25°C x 40 min (100g)

APPLICATION

1. Working environment: Please keep plastic containers clean. Accurately weigh and evenly mix clockwise along inner wall of container for 3-5 minutes.
2. Install correct amount of material according to pot life instructions to avoid waste. Pre-heat resin (Part A) to 86 °F/30°C and adjust rubber when temperature is lower than 59 °F/15°C. Product is easy to handle (Low temperature, Part A Resin will thicken); Re-seal lid after use to avoid product curing and moisture exposure damage.
3. Surface of the cured product can easily absorb moisture in the air to form a white mist when Relative Humidity (RH) is greater than 85%, product is therefore, not suitable for room temperature curing.
4. Lid must be re-sealed after use to avoid moisture absorption damage.

ADVANTAGES

1. Hardness:	Shore D	<75
2. Voltage Resistance:	KV/mm	22
3. Flexibility:	Kg/mm ²	28
4. Volume Resistance:	Ohm3	1x10 ¹⁵
5. Surface Resistance:	Ohmm ²	5x10 ¹⁵
6. Thermal Conductivity:	W/M.K	1.36
7. Induced Electric Loss:	1KHZ	0.42
8. Heat Distortion Temperature:	°F/°C	176/80
9. Water Absorption:	%	<0.15
10. Compressive Strength:	Kg/mm ²	8.4

The above performance data is typically measured in a laboratory environment with a temperature of 77°F/25°C and 70% humidity. For reference only.

DISCLAIMER: Included in this Epoxy Kit are 2 Part A's and 1 Part B. Please carefully follow the instructions that apply to your specific application needs.

MIX BY VOLUME: If using entire kit or Mixing by Volume (Parts), Mix 2 Parts A to 1 Part B

MIX BY WEIGHT: If Kit is broken down for small-scale projects, use scale for calculating accurate Mix by Weight ratio.

