



EPOXY EFFECTS CO. LTD

3:1 DEEP POUR CASTING SYSTEM

Product Information

Our two-component 3:1 Deep Pour Casting system is Crystal Clear, UV resistant, Self-Degassing, High Strength & Hardness.

Our casting resin is used to create: River Tables, Sculptures, paperweights, place mats, coaster, bowls, vases and more!

Can be poured up to 70mm when casting into moulds depending on working temperature, care should be taken to avoid risk of overheating project.

When Casting directly with wood a single pour is recommended at 30-50mm.

Specification

Specification	Epoxy Resin	Part A	Standard
Appearance	Colourless Transparent Liquid	-----	
Viscosity (mPa.s 25°C)	500-1000	GB/T 22314-2008	
Specific Gravity 25°C	1.05	GB/T 4612-2008	
Hardener	Part B	Standard	
Appearance	Colourless Transparent Liquid	-----	
Viscosity (mPa.s 25°C)	100	GB/T 22314-2008	
Specific Gravity 25°C	0.96	Gb/t 4612-2008	
Note: Typical performance should not be considered as product specifications			

Product Data

Mixing and Processing	The resin system shall be mixed in the following proportions		
	Volume Ratio	Resin (Part A)	Hardener (Part B)
		100	30
Weight Ratio	100	33	
Processing Time 25°C	40-60mins		
Cure Conditions	25°C / 8-10hours / 60°C 2-4 hours		
Hardness	Shore D	<85	
Voltage Resistance	KV/mm	22	
Bending Strength	KG/mm ²	23	
Volume Resistance	Ohm3	1x10 ¹⁵	
Surface Resistance	Ohmm2	5x10 ¹⁵	
Thermal Conductivity	W/M.K	0.61	
Inductive Loss	1KHZ	0.42	
High Heat Resistance Temperature	°C	80	
Water Absorption	%	<0.15	
Compressive Strength	Kg/mm ²	13.4	

Packing, Storage & Shelf Life

1. Epoxy resin at 25 °C to 35°C , dry and original sealed packaging storage conditions, epoxy resin chemistry The shelf life of the property is at least 12 months.
2. Hardener should be placed in the original packaging, placed in a dry and cool place, avoid direct sunlight, the temperature should not be higher than 25°C. Its chemical properties can be kept for at least 6 months.

Personal Protection	
Personal Protection Equipment	Protective imperious gloves to avoid skin contact.
Respiratory Protection	No special protection required
Eye Protection	Chemical anti-splash goggles are recommended.
Body Protection	Use protective clothing that blocks this product, use protective boots, gloves,

	protective clothing, eye washers as appropriate.
--	--

Urgent Processing

Skin Touch	Rinse the contaminated area thoroughly with soapy water and clear water for 5 minutes or until the contaminants are removed.
Eye Touch	Lift the eyelids and rinse the eyes with flowing water or saline for 20 minutes or until the contaminants are removed.
Inhalation	<ol style="list-style-type: none"> 1. Leave the scene to fresh air. 2. Consult a doctor immediately if you have any symptoms.

Attention	<ol style="list-style-type: none"> 1. Accurate proportioning and thorough and uniform mixing are the key to the best performance of the resin system. When mixing, be sure to stir the sides, bottom and corners of the mixing container evenly. 2. Sealing the container containing the amine curing agent and mixing system during transport, distribution and use minimizes the adverse effects of moisture. 3. At room temperature, the epoxy resin and the amine curing agent in the system will continue to react after mixing, and care must be taken to avoid inadvertent mixing of system components.
------------------	---