

# LIONGRIP CRYSTAL



## EPOXY CASTING SYSTEM

DESCRIPTION	<b>This two component, 100% solids, epoxy system cures at room temperature. It has been designed to cast clear and glossy objects. It has a low viscosity, long open time and low exotherm properties and shrinkage rate. When fully cured, it exhibits good flexibility and a polished appearance.</b>			
RECOMMENDED USE	Recommended Use May be used for casting transparent objects. It can also be used to encapsulate transformers or resistors for interior use.			
TECHNICAL SPECIFICATIONS	Property	A	B	Mix
	Color	Clear	Clear to straw	Clear
	Viscosity @ 25C	3000 - 5000 cps	5 - 20 cps	200 - 400 cps
	Specific gravity	1.14 - 1.16	0.94 - 0.96	1.07 - 1.09
	Gel time 150g @ 22C			710 - 730 minutes
PRECAUTIONS	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.			
OPERATING CONDITIONS	Mixing ratio (by volume): R9000A : R9000B 100 : 50 Curing schedule: 5-7 days @ 22°C			
SHELF LIFE STORAGE CONDITIONS	12 months. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use			
CLEAN-UP	Tools and equipment should be cleaned immediately after use with our S0001 or "Clean tool" #4 for a safer use.			
MIXING	Mix resin with hardener according to recommended mixing ratio. Do not mix unused or leaking containers. Premix resin and hardener separately. Then place the hardener into the resin container. Blend the hardener into the resin thoroughly using a paddle attached to a low speed heavy duty electric drill at 300-600 rpm. Continue to mix for a minimum of 3 minutes or until the mix becomes homogeneous. Never dilute with solvents. Or Blend the resin and hardener according to the recommended mixing ratio via calibrated metered mixing machine (or cartridges). The mixing tip or static mixer should be selected and tested before to ensure the mixture is homogenous and suitable for a specific application.			

**Important Notice** : Our recommendations, if any, for the use of this product are based on tests believed to be reliable. Since the use of this product is beyond the control of the manufacturer, no guarantee or warranty, expressed or implied, is made as to such use or effects incidental to such use, handling or possession or the results to be obtained, whether in accordance with the directions or claimed so to be. The manufacturer expressly disclaims responsibility, therefore. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing laws and/or patents covering any material or use.

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### ENVIRONMENTAL IMPACT

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the Requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

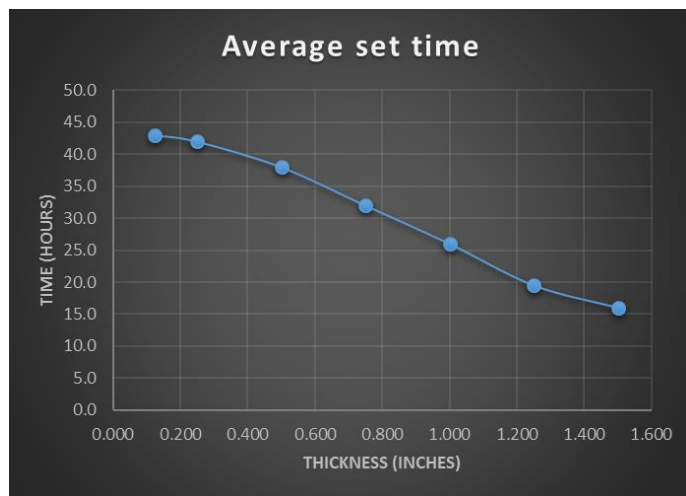
### PRODUCT CODE

C2410111521

### IMPORTANT INFORMATION

The chemical reaction between resin and hardener is exothermic. It means that as the epoxy cures it will generate heat. When this heat cannot escape, it builds up, causing the epoxy to cure faster because epoxy cures faster at higher temperatures. Curing faster because of the heat, the epoxy generates even more heat, even faster (snowball effect). The resulting build-up of heat can cause the cured epoxy to crack because of the temperature differential between the top and bottom of the piece. Maximum thickness per layer should never exceed 1 in (2,54 cm).

### AVERAGE SET TIME GRAPH



Thickness (inches)	Weight (grams)	Set time (hours)	Average set time (hours)
1.500	3824	15 à 17	16.0
1.250	3190	18 à 21	19.5
1.000	2550	24 à 28	26.0
0.750	1912	30 à 34	32.0
0.500	1280	36 à 40	38.0
0.250	640	40 à 44	42.0
0.125	320	42 à 44	43.0

*Samples tested at 23°C in a 12" x 12" (1 ft²) mold*

### ORDERING INFORMATION

Cat. No.	Size	Units per Package	Weight Kgs Net	Case per Pallet
_____	3.78L Gallon Jug	3	12.28	36

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