

Product Data Sheet:

DEEP CAST (CER) Crystal Clear Epoxy Casting Resin

750ml, 1.5L, 3L, 7.5L, 37.5L



Eli-Chem Deep Cast (CER) has been specifically formulated for deep casting in one pour making it ideal for resin river tables, also known as resin live edge tables.

Deep Cast is an un-accelerated clear epoxy casting system which offers a long, open time for bubble removal and precise article placement. It also avoids high exothermic reaction and the resulting shrinkage after curing.

- Perfect for resin river tables
- Inbuilt UV inhibitors
- Water clear casting resin
- Mix and pour up to 12 litres in one pour
- Ideal for decorative castings and making paperweights

HOW TO USE IT:

Mixing

The mixing ratio must be accurately followed to achieve perfect results. It is not possible to change the ratio as this would result in the resin not drying properly and lower the mechanical properties. 2 parts resin to 1 part hardener by volume provides a hard casting once cured. Pour the hardener first and then the resin. The mixed components should be thoroughly stirred for 3-4 minutes to ensure an even consistency. Epoxy systems tend to heat up in a pot than as a thin film, only mix the amount needed for use within the pot life of the product. The maximum volume that can be poured in one go is 12 litres. The mixed resin can be tinted with our resi-TINT MAX pigments, resi-TINT pigments, resi-METAL or resi-TINT+ Metallic Powders to make your artwork shine. resi-BLAST will add stunning cells and effects. **It is recommended that a maximum of 12L is mixed and poured in one go.**

Application

The mixed product can then be poured into a mould. The mould can be plastic or made of silicone rubber. Moulding can be carried out by gravity or under vacuum. Temperature should be between 18 to 25°C, humidity level below 70%. A 2:1 mix will provide a hard casting, suitable for manufacture of fancy shapes, decorative items etc. Should a new mix be applied onto cured resin, the contact surface should always be sanded in order to enhance adhesion, but only after 5 days. Once the resin is mixed and poured into the mould, gently pass warm air from a heat gun or hairdryer on the slowest speed setting. This will assist in removal of any bubbles generated during mixing. If you use alcohol inks DO NOT use a flame to remove bubbles.

CURING TIME / POT LIFE @ 22°C:

Pot Life	10 hours (500g mixed mass)
De-moulded	3-4 days depending on volume cast
Full Cure	21 days

SHELF LIFE:

One year in sealed containers. Keep containers away from heat or cold.

SAFETY:

Standard proactive safety hygiene and responsible procedures apply. Wear goggles and gloves, work in a well-ventilated room. Wear a respirator when sanding partially cured resin. Avoid skin contact (if there is contact wash thoroughly with soap and water). Do not eat, drink or smoke whilst working. Refer to the Material Safety Data Sheet for full information on correct handling and application of the product.