

## CLEAR CASTING RESIN - POLYESTER – BCC53

### TECHNICAL SPECIFICATION

It is two-part epoxy system for casting, coatings, and adhesive applications. It is a range of high-performance user- friendly epoxy resins

### PROPERTIES:

S.NO	DESCRIPTION	PARAMETERS	
		RESIN	HARDENER
1	Physical State	Low Viscous Liquid	Low Viscous Liquid
2	Colour	Light Dull Transparent White	Light Dull Transparent White
3	Viscosity (mPas 25 °C)	1100	1200
4	Mixing Ratio	100	10
5	Gel Time @ 25 °C (Min)	10-20 min	
6	Set Time (Min)	30-40 Min	
7	Drying Time (Min)	50-60 Min	

### FEATURES & BENEFITS:

**High Gloss Finishing**

**Can be Pigmented using suitable pigments**

**Very less shrinkage**

**Excellent moisture protection barrier, stable in acidic pH solutions**

**Excellent flow properties (low viscosity) with efficient substrate wetting**

**Unique mechanical properties**

### STORAGE & PRE –MIXING:

The two components ( Resin & hardener ) should be stored in separate at all times prior to use. Store in cool , Dry & Away from Sun Light.

Warm Temperature should be avoided in storage area , Warm temperature reduce the shelf life. The handling equipment & the storage area should be free from chemical residue , Foreign matters.

### TECHNICAL GUIDELINES FOR USING:

- Measure the Part A ( Resin ) and the Part B ( Hardener ) in two separate containers.
- Transfer Part A into the suitable Glass Beaker
- Start gentle stirring
- After stirring the part A, transfer Part B to it.
- Continue the gentle stirring & Reaction to progress.
- Take care not to get air trapped within mixture
- The Mixed epoxy resin should be applied or poured within 5-10 min Time.
- For design applications, Degassing may be required to remove the Air bubbles from the texture.
- Upon curing remove the material from moulds.

### SHELF LIFE:

Twelve (12) months from date of shipment when stored at 25°C in the original sealed packages.










### FIRST AID:

**Eye Contact:** Flush eyes with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water; remove contaminated clothing and launder before reuse; seek medical attention if rash develops.

**Ingestion:** Do not induce vomiting unless instructed by a physician. Contact physician immediately.

### APPLICATION

<b>Sculpture &amp; Art Casting</b>	
<b>Coatings and Sealants</b>	
<b>Adhesives</b>	
<b>Home Projects &amp; Hobbies</b>	
<b>Encapsulation &amp; Display</b>	
<b>Model /Prototype Making</b>	
<b>Open &amp; closed molds</b>	
<b>Industrial coating and component making</b>	
<b>Lamination/ Coating</b>	
<b>Cast resin</b>	