

ULTRA-HIGH GLOSS & TRANSPARENT EPOXY RESIN - BUCR53

TECHNICAL SPECIFICATION

It is two-part epoxy system with High Glossy , Transparent, low viscosity and UV stable liquid epoxy resin 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	Clear	Clear
3	Viscosity (mPas 25 °C)	1160	479
4	Mixing Ratio	100	60
5	Gel Time @ 25 °C (Min)	5-10 min	
6	Set Time (Min)	15-20 Min	
7	Drying Time (Min)	30-40 Min	

FEATURES & BENEFITS:

100% Clear & Transparent.

High Gloss Finishing Green

Non Yellowing

Can be Pigmented using suitable pigments

Very less shrinkage

Industry leading UV stability

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

Sculpture & Art Casting	
3D Flooring	
Designed Table Tops /River table	
Artificial Jewellery making	
Encapsulation & Display	
Model /Prototype Making	
Artificial designer door coating	
Industrial coating and component making	
Lamination/ Coating	
Cast resin	

ULTRA-HIGH GLOSS & TRANSPARENT EPOXY RESIN - BUCR2153

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PROPERTIES:

CAST A and CAST B	
Viscosity Part A cps 25 °C	900.00 cps
Viscosity Part B cps 25 °C	10.00 cps
Appearance A/B	Clear Liquid/ Clear Liquid
Density Part A/Part B at 25 °C g/ml	1.01/0.98
Mixing Ratio A:B	100:30
Gel time in bulk at 25 °C	60-90 min
A Epoxy Equivalent weight	240 g/eq
B Active-H Equiv. Weight	72 g/eq
Tacky free at 25 °C	5-6 hrs
Hardness in Shore D ASTM D 2240	85
Minimum reaction temperature	+15 °C
Maximum temperature of use after hardening	60 °C

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