

# Technical Datasheet – Hinox C



## PRODUCT

HINOXY C RESIN is a Bisphenol-A based liquid epoxy resin. HINOXY C HARDENER is a colorless, low viscosity, modified amine hardener.

## APPLICATION

HINOXY C RESIN/ HINOXY C HARDENER system is recommended for room temperature or low bake curing. An ideal application is for crack filling and carbon wrapping.

## SPECIAL FEATURES

The following advantages make it ideal for industrial use.

- Simple mixing ratio (Resin: Hardener = 100: 30).
- Tolerant mixing ratio.
- Low viscosity resin/hardener mix, ensures proper flow.
- Excellent water resistance.
- Very Good chemical resistance and electrical insulation.

## PROPERTIES- HINOXY C RESIN

Characteristic	Test Method	Unit	Specification
Viscosity at 25°C	ASTM-D 445	mPas	9,000 – 12,000
Epoxy Content	ASTM-D 1652	g/eq	185 - 192
Density at 25°C	ASTM-D 4052	g/cc	1.15 - 1.20
Flash Point	ASTM-D 93	°X	> 200
Storage life		Years	3

## HINOXY C HARDENER

Characteristic	Test Method	Unit	Specification
Consistency	Visual		Colourless to pale yellow liquid
Viscosity at 25°C	ASTM-D 445	mPas	< 50
Flash Point	ISO 2719	°C	>123
Density at 25°C	ASTM-D 4052	g/cc	0.94 – 0.95
Storage life (2–40°C)		Years	1

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## PROPERTIES OF THE SYSTEM

Mix Ratio HINPOXY C RESIN: .	HINPOXY C HARDENER 100 : 30 (w/w)
Gel time at 30°C (100g)	: 120 minutes
Full cure time at 30°C	: 24 hours
Impact Strength @30°C, Kg cm (ISO6272)	: 60 - 70

## SURFACE PREPARATION

The surfaces should be free of moisture and oil.

## STORAGE , HANDLING AND DISPOSAL

Storage	: Store in a cool, dry place.
Shelf life	: As given in the product specifications.
Handling	: Use hand gloves and protective glasses.
Disposal	: Dispose by incineration or as per local regulations.

## SAFETY INFORMATION

Flash point	: >150° C
Precautions	: In case of skin contact, wash with soap and water. In case of eye irritation, bathe the affected eye with running water for at least 15 minutes, and get immediate medical attention.

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