

## EPOXY LF CATALYST

DI035

**PRODUCT CODE:** EPOXY LF CATALYST : EPCAT (01)

\* LF = Complies with the South African legal lead limit of 90ppm or less.

**PRODUCT DESCRIPTION:** *EPOXY LF CATALYST* is a viscous liquid amino polyamide to be used in conjunction with *Dura Epoxy*

**INTENDED USES:** *EPOXY LF CATALYST* is used as a hardener for *Dura Epoxy*.

### FEATURES:

- Fast cure
- Flexibility
- Good water repellence
- Amino Polyamide Resin

### PRODUCT INFORMATION:

• APPEARANCE	Clear liquid
• COLOUR	Clear / Yellowish
• VOLUME SOLIDS	61%
• S G @ 25°C	0.93 kg / l

### APPLICATION DETAILS:

- MIXING Add the 1lt can of *Epoxy Catalyst* into the 4lt can of *Dura Epoxy*. Stir well with a flat paddle (Not a stick – do not shake as this will create air bubbles) for at least 5 minutes or by using a stirring attachment on an electric drill for 2 minutes.
- METHOD Mohair roller, brush or airless spray.
- THINNING Up to 10% *Dura Epoxy Thinners* – Thin with minimum amount necessary.
- CLEANING *Dura Epoxy Thinners*
- SUBSTRATE May be applied directly to steel grit-blasted to SA2.5. For increased corrosion resistance apply over *HD Epoxy Primer*.
- APPLICATION ENVIRONMENT

Surface Temp	Ambient Temp	Relative Humidity
Min 10°C or 2°C above dew point	Min 10°C or 2°C above dew point	Min: 0
Max.: 40°C	Max.: 40°C	Max.: 85%

- DRYING TIME (After mixing with *Dura Epoxy*)
 

Touch dry	4 Hours @ 25°C
Dry to handle	24 Hours @ 25°C
Re-coating	16 - 72 hours @ 25°C

### SURFACE PREPARATION:

(Before mixing with *Dura Epoxy*)

- Ensure that surfaces are dry, sound, and free of rust, dust, dirt, grease and oil before painting. *Prolong Grease Devil* (for steel and concrete) can be used to clean surfaces. Degrease with *ProLong Grease Devil* (for steel and concrete) and rinse thoroughly with clean water. Allow to dry.
- Remove loose and flaking paint down to a sound substrate and a firm edge by scraping and lightly sanding existing paint to ensure good adhesion.
- Plaster, concrete, rhinolite and fibre cement: Ensure that concrete has dried for at least four weeks and other masonry surfaces for two weeks before painting or has a moisture content of less than 12%. Remove any loose particles and laitance by most suitable means.
- New concrete/cement flooring must be at least 1 month old and have a moisture content of <12% before coating.

## DURA EPOXY (contd.)

- Ensure that there is no moisture in the substrate before proceeding. To test concrete floor moisture content, cover a section of flooring with a plastic sheet, weigh down with bricks and leave overnight. If there is no moisture trapped between the floor and plastic sheet, proceed with priming. If moisture prevalent, allow floor to dry fully before proceeding.
- Prime with **Dura HD Epoxy Primer** (for steel). Overcoat with **Dura Epoxy** to achieve the required build and finish.
- Concrete apply one liberal coat of **Dura Concrete Primer** using a mohair roller or brush. Do not leave the **Dura Concrete Primer** for longer than 72 hours before overcoating with **Dura Epoxy**. Overcoat with **Dura Epoxy** to achieve the required build and finish.

## APPLICATION:

- Mixing ratio: 4 parts **Dura Epoxy** to 1 part **Epoxy Catalyst** by volume (as supplied) is critical to coating performance. Stir thoroughly with a flat paddle.
- Thinning is not recommended.
- Apply coating using a mohair roller, airless spray or paint brush.
- Apply catalyzed coating as soon as possible.
- Apply two coats of **Dura Epoxy** to the prepared surface so as to achieve complete obliteration and the required DFT.
- Allow a minimum of 16 hours drying time before the application of the second coat.
- Coverage/spreading rate of **Dura Epoxy** depends largely on the condition of the substrate being painted and the manner in which the product is applied.
- Allow sufficient drying time before subjecting **Dura Epoxy** to traffic.

## STORAGE AND PACKAGING:

- Packaging 4lt Dura Epoxy + 1lt Catalyst (4:1lt mixing ratio).
- Store in approved fire store.
- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Keep containers tightly closed.
- Shelf life 12 months from date of manufacture, when correctly stored and unopened.
- Empty containers should be left open in well ventilated area to dry out.
- Do not pour paint down the drain.
- Brush out unwanted paint on newspaper, allow to dry and dispose of via waste collection.
- Dry containers can be disposed of via waste collection or recycled via recycling programs.

## TRANSPORTATION:

This product is classifiable in accordance with transportation and classification of dangerous goods act (1996). Flammable.

**SHIPPING NAME:** Paint  
**PACKAGING GROUP:** III  
**HAZARD CLASS:** 3  
**S.I.N/UN NUMBER:** 1263

## CAUTIONS:

### RECOMMENDATIONS FOR USE:

- CURE RATE: See **Dura Epoxy** TDS
- This product must never be applied by itself.

### CAUTIONS:

- Drying times increase as ambient temperature falls below 25 °C.
- Pot life decreases as ambient temperature increases above 25°C.
- Never mix **Dura Epoxy** with any other Catalyst.
- Mixing ratio: 4 parts **Dura Epoxy** to 1 part **Epoxy Catalyst** by volume (as supplied) is critical to coating performance. Failure to follow this mixing ratio may result in product failure.
- It is recommended that technical advice be requested before painting concrete flooring.
- Never apply **Dura Epoxy** coating without adding **Dura Epoxy Catalyst**.
- Do not overcoat with water-based coatings or vice versa.
- Do not overcoat **Floorkote Enamel** with **Dura Epoxy**.

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## DURA EPOXY (contd.)

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- It is very important to purchase sufficient paint to complete the project. Different batches may result in slight variations in colour that are beyond the control of the manufacturer.

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### SAFETY PRECAUTIONS:

- Keep out of reach of children.
- Ensure good ventilation during application and drying.
- In case of skin contact, wash with soap and water or a recognized skin cleaner. Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention.
- Refer to Safety Data Sheet (SDS) for complete information. See [www.durapaints.co.za](http://www.durapaints.co.za)

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### DISCLAIMER:

- *The recommendations contained herein are given in good faith and are meant to guide the specifier or the user.*
- *They are based on results gained from our experiences and tests and are believed to be reliable.*
- *LF denotes compliance with the South African legal lead limit of 90ppm or less.*
- *Products are manufactured to stringent specifications under laboratory controlled conditions. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control. It is up to the customer to determine and confirm the suitability of the product for the required purpose and application.*
- *Warranty is restricted to the replacement of defective product and excludes any direct, indirect or consequential loss of any nature howsoever caused.*
- *Technology may change necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used. See [www.durapaints.co.za](http://www.durapaints.co.za).*