

DURALINE EPOXY CATALYST

DI035

PRODUCT CODE: Epoxy Catalyst : EPCAT (01)

PRODUCT DESCRIPTION: *Epoxy Catalyst* is a viscous liquid amino polyamide to be used in conjunction with *Duraline Epoxy Enamels*.

INTENDED USES: *Epoxy Catalyst* is used as a hardener for *Duraline Epoxy Enamels*.

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
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APPLICATION DETAILS:

- MIXING Add the 1lt can of catalyst into the 4lt can of epoxy enamel. 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 *Duraline 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 *Duraline Epoxy Enamel*)

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

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold
- Packaging 4lt Epoxy Enamel + 1lt Catalyst (4:1lt mixing ratio)

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

TECHNICAL DATA SHEET

DURALINE EPOXY CATALYST (contd.)

SURFACE PREPARATION:

(After mixing with *Duraline Epoxy Enamel*)

- Ensure that surfaces are dry, sound, and free of rust, dust, dirt, grease and oil before painting. *Prolong Grease Devil* (for steel and concrete) or *Mascon* (for concrete only) can be used to clean surfaces.
- Prime with *Duraline HD Epoxy primer* (for steel). Concrete apply *Concrete Primer*.
- 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 18%. Remove any loose particles and laitance by most suitable means. Remove any oil, grease and mould.

APPLICATION:

- Apply one or more coats of the mixed product to prepared surface so as to achieve complete obliteration and required DFT. (Dry Film Thickness)

CAUTIONS:

RECOMMENDATIONS FOR USE:

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

CAUTIONS:

- Avoid painting during inclement weather or if temperature is below 10°C.
- For optimum performance a practical recommended spreading rate of 8m² / l should not be exceeded.
- Drying times increase as ambient temperature falls below 25 °C.
- Pot life decreases as ambient temperature increases above 25°C.
- Never mix *Duraline Catalyst* with any other Epoxy Coating.
- Mixing ratio: 4 parts Enamel to 1 part Catalyst by volume (as supplied) is critical to coating performance. Failure to follow this mixing ratio may result in product failure.
- Failure to follow stirring instructions may result in the product not curing.

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 advice if symptoms persist. If ingested give plenty of water / milk. Do not induce vomiting. Seek medical attention.
- Refer to Material Safety Data Sheet for complete information. See www.durapaints.co.za.

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.*
- *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.*
- *Technology may change with time 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.*