

DURALINE HEAVY DUTY POLYURETHANE ENAMEL

DI030

PRODUCT CODE:	Aluminium (Dura Metal Container)	:HDPSILVER (05)
	Black (Dura Metal Containers)	:HDPBLACK (05)
	Clear (Dura Metal Containers)	:HDPCLEAR (05)
	Clear Matt (Dura Metal Containers)	:HDPCLEMATT (04)
	White (Dura Metal Containers)	:HDPWHITE (05)
	Colour match to customer specification	:HDPUCL- bulk

PRODUCT DESCRIPTION: Twin pack polyurethane acrylic enamel. Excellent weathering properties and colour retention.

INTENDED USES: Machinery, steelwork, boats, heavy marine, institutional and waste treatment areas where a highly resistant and attractive coating is desired.

FEATURES: Acrylic / Light fast pigments.
 Flexibility: Very Good
 Weathering: Very Good
 Abrasion Resistance: Medium
 Solvent Resistance: Low, not recommended
 Corrosion Resistance: Excellent
 Temperature Resistance: Continuous: 92°C / Non-Continuous: 121°C

PRODUCT INFORMATION:	<ul style="list-style-type: none"> • APPEARANCE High Gloss • COLOUR All colours to customer specification • VOLUME SOLIDS 48% (depending on colour) • S G @ 25°C 1.0 kg / l (Typical) • RECOMMENDED DFT 25-35 Microns • PRACTICAL SPREADING RATE 12- 14 m² at 25 Microns • VISCOSITY @ 25°C 68 to 72KU • POT LIFE @ 25°C 3 – 4 hours
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APPLICATION DETAILS:

- MIXING Stir thoroughly with a flat paddle until homogeneous. 4 parts HDPU to 1 part HDPU catalyst.
- METHOD Spraying is recommended.
- THINNING Not recommended. If required minimum quantity of *Dura HD Thinners* required to apply product.

SUBSTRATE Primed steel.

- 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	Touch dry	30 Min @ 25°C
	Dry to handle	1 Hour @ 25°C
	Re-coating	4 Hour @ 25°C

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold
- Packaging 4lt Heavy Duty Polyurethane + 1lt Catalyst (4:1lt mixing ratio)
- Product sold as a pack but shown on invoice separately

TECHNICAL DATA SHEET

DURALINE HEAVY DUTY POLYURETHANE ENAMEL (contd.)

TRANSPORTATION:

SHIPPING NAME:	Paint
PACKAGING GROUP:	111
HAZARD CLASS:	3
S.I.N/UN NUMBER:	1263

SURFACE PREPARATION: Ensure surface is dry and free from rust, dirt, dust, chalking, oil, grease and any other contamination before painting.

Unpainted Substrate:

Mild Steel.

- Degrease with **ProLong Grease Devil** and rinse thoroughly with water. Allow to dry. Alternatively use **Dura Cleaning Thinners** or **Dura Lacquer Thinners**.
- Prime with one coat **Dura Etch Primer** or **Dura Heavy Duty Epoxy Primer (Red or Grey)**.
- Apply one or two coats **Dura HD Polyurethane**, depending on colour and required Dry Film Thickness (DFT).

Previously painted substrate

- Remove all loose and flaking paint by scraping, sanding or hydro blasting - allow to dry.
- Apply one or two coats **Dura HD Polyurethane**, depending on colour or required DFT.

APPLICATION:

Airless Spray, conventional spray, HVLP or pressure pot.
Apply 2 coats at 25 microns minimum DFT per coat.

CAUTIONS:

- Avoid painting during inclement weather or if temperature is below 10°C.
- It is vital to ensure air lines/hoses and compressors are free from water or moisture.
- For optimum performance a practical recommended spreading rate of 12 m² / l should not be exceeded.
- Do not apply **Dura HD Polyurethane** over QD Enamel or other Alkyds as peeling may occur.
- Brushing or using a roller is not recommended as it will effect the finish.
- Catalyst is NOT inter-changeable between coatings or manufacturers.
- **The mixing ratio of 4 parts HDPU to 1 part HDPU Catalyst is critical to coating performance.**
- Pot life is dependant on ambient temperature. Temperature above 25°C will shorten pot life and vice versa.

SAFETY PRECAUTIONS:

- Keep out of reach of children.
- Flammable.
- 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.*