

DURA INDUSTRIAL H₂YDRO FINISH

DI001

PRODUCT CODE: White/Pastel (Hydro Finish Plastic Containers) : Hydfinpas (05) (20) (200)
 Deep (Hydro Finish Plastic Containers) : Hydfinde (05) (20) (200)
 Transparent (Hydro Finish Plastic Containers) : Hydfintra (05) (20) (200)

PRODUCT DESCRIPTION: A cross-linking, low odour, low VOC water-based gloss top coat. It is recommended as a high quality gloss, UV resistant coating, for application to primed steel surfaces. The product is water-based, non-flammable and lead free.

INTENDED USES:

- A high-performance water-based coating for industrial steel applications that replaces and outperforms solvent based coatings such as QD Enamels, Air Drying Enamels and other alkyds. Hydro Finish incorporates latest generation technology in pure acrylic, adhesion promoted, non-yellowing, UV stable binders. Only light fast pigments are used in the tinting of colours.
- Also suitable for roofs, ceiling boards, fibre cement and gypsum board.

FEATURES: Hydro Finish has been specifically developed for use by fabrication shops, structural steel fabricators, shipping container manufacturers/converters and palisade fencing manufactures as well as for cranes, earth moving and mining equipment. A high quality alternative to solvent based alkyds. Water based, low odour, lead free, non-flammable and UV stable.

PRODUCT INFORMATION:

- APPEARANCE Gloss.
- COLOUR White, can be tinted in **NCS GLOSS** colours
- SOLID CONTENT 41% by mass (Varies by colour/base)
33% by volume (Varies by colour/base)
- S G @ 25°C 1.17 (Varies by colour/base)
- RECOMMENDED DFT MIN : 25µm MAX: 40µm
- PRACTICAL SPREADING RATE 10 - 12 m². (dependant on substrate and application thickness (DFT))
- VISCOSITY @ 25°C
White/Pastel 68 - 73 KU (varies by colour/base.)
Deep 68 - 73 KU (varies by colour/base.)
Transparent 85 - 90 KU (varies by colour/base.)

APPLICATION DETAILS:

- MIXING Stir thoroughly with a flat paddle until homogeneous. Do not shake as this will create air bubbles.
- METHOD Brush / Airless spray / pressure pot only
- THINNING Not recommended. Addition of water may reduce gloss, will reduce hiding and increase drying times
- CLEANING Water
- SUBSTRATE Primed steel.

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: 10%
Max : 40°C	Max : 40°C	Max : 85%

- DRYING TIME
 Touch dry 30 Min
 Dry to handle 2 hours
 Overcoating 4 hours

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Keep containers tightly closed.
- Packaging 5lt, 20lt, 200lt
- Shelf life. 12 months from date of manufacture when correctly stored and unopened.

TECHNICAL DATA SHEET

DURA INDUSTRIAL H₂YDRO FINISH (cont.)

TRANSPORTATION:

SHIPPING NAME:	Not classified
PACKAGING GROUP:	Not classified
HAZARD CLASS:	4-H-C
S.I./UN NUMBER:	Not classified dangerous for transport

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.

- Preferably sand blast substrate. Alternatively, remove rust by sanding or wire brush. Prime with one coat **Dura Hydro Prime**. (Water based steel primer). Degrease with **Hydro Clean or ProLong Grease Devil**, rinse thoroughly with water and allow to dry.
- Do not clean substrate with thinners / solvents.
- Prime with one or two coats of Hydro Prime, depending on the required DFT
- Overcoat with one or two coats of Hydro Finish, depending on the colour and the required DFT.

Previously painted substrate

- Remove all loose and flaking paint by scraping, sanding or hydro blasting.
- Clean with **ProLong Pro Soap or ProLong Grease Devil**. Rinse well with water and allow to dry.
- Spot Prime exposed steel with **Hydro Prime**.
- Paint a test patch of **Hydro Finish** and check for a reaction after **Hydro Finish** has dried. If **Hydro Finish** does not dry or if there is blistering, remove all paint, and proceed as per unpainted substrate above.
- Apply one or two coats of Hydro Finish depending on the colour or required DFT.
- Do not apply to solvent-based primers or solvent based-top coats.

APPLICATION:

Apply one or two coats, depending on colour and required DFT. Apply un-**thinned**, to prepared surfaces so as to achieve complete obliteration. Apply with airless spray equipment, pressure pot or brush.

CAUTIONS:

- **Avoid painting during inclement weather or if ambient or substrate temperature is below 10°C.**
- For optimum performance a practical recommended spreading rate of 10 m² / l should not be exceeded.
- 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.
- The use of conventional spray equipment is not recommended. May result in a loss of gloss and pinholes in the surface.
- Do not add water to this product as it may result in a loss of gloss and will increase drying times.
- Never add thinners/solvent to this product.
- Do not clean surface to be painted with solvent/solvent based products.
- **Failure to follow surface preparation instructions may result in staining of the finished coating and / or loss of adhesion.**

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 with eyes rinse 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 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.*