

## DURA INDUSTRIAL H<sub>2</sub>YDRO 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:** Description: **Hydro Finish** is a high performance, cross-linking, low odour, water-based, UV resistant, adhesion promoted top coat for steel applications. Hydro Finish has been specifically developed for use by fabrication shops and for structural steel, palisade fencing, containers, earthmoving equipment, cranes and mining equipment. Also suitable for roofs, ceiling boards, fibre cement and gypsum board.

**INTENDED USES:**

- A high-performance water-based coating for industrial steel applications that replaces and outperforms solvent based coatings. **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** is Lead free, solvent free, UV resistant, low odour, low VOC's, non-flammable, water-based, adhesion promoted, high build, tintable top coat

**PRODUCT INFORMATION:**

• APPEARANCE	Gloss.
• COLOUR	White, can be tinted in <b>NCS GLOSS</b> 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 m <sup>2</sup> . (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 homogenous. Do not shake.
- **APPLICATION** Brush or Airless/Pressure Pot Spray. Conventional spray not recommended.
- **DILUTION** Not Recommended. Do not add solvent / thinners to this product.
- **CLEANING** Water
- **SUBSTRATE** Primed steel.
- **OVERCOAT** Do not overcoat Hydro Prime / Hydro Finish with solvent-based coatings.
- **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: 10%
Max: 40°C	Max: 40°C	Max: 85%

• <b>DRYING TIME</b>	Touch dry	30 Min
	Dry to handle	2 hours
	Overcoating	4 hours

# TECHNICAL DATA SHEET

## DURA INDUSTRIAL H<sub>2</sub>YDRO FINISH (cont.)

### 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.
- 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 programmes.

### 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 the surface is dry, free from rust, dirt, rust, 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.
- 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 (mild steel).

- Remove all loose and flaking paint by scraping, sanding or hydro blasting. Lightly sand surface.
- 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**. If result is not satisfactory, 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.

**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:

- **Do not apply if temperature of the substrate is ambient temperature is below 10 degrees.**
- For optimum performance a practical recommended spreading rate of 10 m<sup>2</sup> / 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.

### SAFETY PRECAUTIONS:

- Keep away from children.
- Ensure good ventilation during application and drying.
- Take care to avoid contact with eyes. In case of contact, rinse eyes with clean water and seek medical attention.
- If contact with skin should occur, wash well with soap and water.
- Harmful if swallowed. Seek medical attention.
- Refer to Material Safety Data Sheet for complete information. See [www.durapaints.co.za](http://www.durapaints.co.za).

## DURA INDUSTRIAL HYDRO FINISH (cont.)

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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.*
- *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](http://www.durapaints.co.za).*