



DURA INDUSTRIAL H₂drO FINISH

TECHNICAL DATA SHEET NO : DI001
DATE : 1 September 2009

PRODUCT CODE: White / Pastel base: HYDFINPAS (05) (20)
Deep base: HYDFINDE (05) (20)
Transparent base: HYDFINTRA (05) (20)

PRODUCT DESCRIPTION:

- A cross-linking, low odour, water based and semi-gloss top coat. Recommended for application over Dura Paints H₂drO Prime. H₂drO Finish is also suitable for application to existing, suitably prepared alkyd coatings. (Qd Enamels, Ad Enamels, short, long, medium oil and styrene alkyds).

INTENDED USES:

- For industrial steel applications – replacing solvent-based products.
- This product incorporates latest generation technology in pure acrylic, adhesion promoted, non yellowing, UV stable binders. Only light fast colourants are used in the tinting of colours.

FEATURES:

- H₂drO Finish has been specifically developed for use by fabrication shops, structural steel fabricators, palisade fencing manufacturers as well as on cranes, earth moving and mining equipment. H₂drO Finish is a high quality alternative to solvent based coatings.

PRODUCT INFORMATION :

- APPEARANCE** Semi-gloss
- COLOUR** White and full range of colours as per gloss fan deck
- SOLIDS** Approx. 46 % by mass; 38% by volume
- SG @ 25°C** 1.19g /cm² (Typical)
- RECOMMENDED DFT** MIN.: 35µm MAX.: 50µm
- THEORETICAL SPREADING RATE** 8m² / L @ 50µm DFT
- PRACTICAL SPREADING RATE** Please apply appropriate correction factors
- VISCOSITY @ 25°C (WHITE)** 95 - 100 Ku
- FLASH POINT** > 65°C

APPLICATION DETAILS :

- MIXING** Stir thoroughly with a flat paddle until homogeneous
- METHOD** Air, pressure pot, airless spray, brush or roller.
- THINNING** Dilution is not recommended.
- CLEANING** Water
- SUBSTRATE** Well cleaned, primed steel.

<i>APPLICATION ENVIRONMENT</i>	<u>SURFACE TEMP</u>	<u>AMBIENT TEMP</u>	<u>RELATIVE HUMIDITY</u>
	MIN.: 10°C OR 2°C MIN ABOVE DEW POINT	MIN.: 10°C	MIN.: -
	MAX.: 40°C	MAX.: 40°C	MAX.: 85%

- DRYING TIME** 50µm
Touch dry 30 Min @ 25°C
Dry to handle 3 Hours @ 25°C
Re-coating 3 Hours @ 25°C

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold
- Packaging 5lt & 20lt Plastic containers with handle.

TRANSPORTATION:

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

DURA INDUSTRIAL H₂hydrO FINISH (contd)

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SURFACE PREPARATION:

- Ensure that surfaces are dry, sound, and free from dust, dirt, grease and oil before painting.
 1. Prime with **H₂hydrO PRIME**.
 2. **Previously painted surfaces in good condition:**
Remove loose and flaking paint back to a sound substrate and a firm edge by scraping and sanding. Spot prime bare areas with **H₂hydrO PRIME**. Clean old paint down with **PROLONG PROSOAP** to remove all contaminants and chalked material. Rinse with clean water to remove all traces of sugar soap. Alternatively, clean with high pressure water jet.
 3. **Previously painted surfaces in poor condition (e.g. extensive peeling):**
Completely remove paint by most appropriate means e.g. scraping, coarse sanding or stripping with **PAINT STRIPPER**. Wash thoroughly with **PROLONG PROSOAP**. Rinse well with fresh water to remove all traces of the cleaning agents and debris. Ensure substrate is sound, not powdery or friable, prior to coating.
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RECOMMENDED PRIMER:

- Mild steel: **DURA PAINTS H₂hydrO PRIME**
 - Galvanised steel: **DURA PAINTS H₂hydrO PRIME**
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APPLICATION:

- Apply two or more coats to new surfaces so as to achieve complete obliteration.
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CAUTIONS:

- Avoid painting during inclement weather or if temperature is below 10°C.
 - For optimum performance a practical recommended spreading rate of 6 m² / l should not be exceeded.
 - To ensure that colours on a project are consistent check that batch numbers correspond. Dura Paints cannot be held responsible for colour variation between batches. Always purchase sufficient product to complete the job.
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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 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.
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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 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.