

DURA INDUSTRIAL H₂YDRO PAINT OVER RUST

DI036

PRODUCT CODE: **Hydro Paint over Rust** (Plastic Containers) – Deep Red. HYDRORUSRED (01) (05)

PRODUCT DESCRIPTION: **Hydro Paint over Rust** is a Direct-To-Metal (DTM), 2 in1 rust converter and primer, which preserves, protects and conditions rusted steel. **Hydro Paint over Rust** is a water-based, cross-linking, adhesion promoted, high quality, pure acrylic coating which converts rust to a primed, paintable surface on corroded iron and steel. **Hydro Paint over Rust** incorporates the latest generation technology in pure acrylic, adhesion promoted binders and corrosion inhibitors. **Hydro Paint over Rust** has been specifically developed for use by fabrication shops, refurbishers, home renovators, contractors, industrial repairers and the DIY professional.

INTENDED USES: **Hydro Paint over Rust** is a Direct-To-Metal (DTM), high performance water-based coating, developed for rusted and corroded steel applications. For roofs, gates, fences, carports, burglar bars and structural steel. **Hydro Paint over Rust** can also be used on suitably prepared galvanised iron. Ideal for hard to reach areas. It converts rust and primes in one easy application. Suitable for interior and exterior use.

FEATURES:

Water-based	Low odour	Good build
Non-flammable	Rust inhibiting	Solvent free
Fast acting	Excellent corrosion protection	Pure acrylic
Tannic Acid free	Easy to use	2 in 1 – rust converter & primer.
Excellent adhesion	Low VOC	Low water permeability
Resistant to flash rusting	Saves labour time and money	UV resistant & non-yellowing
Excellent flow	Low blocking characteristics	

PRODUCT INFORMATION:

- APPEARANCE: Matt.
- COLOUR: Deep Red.
- SOLID CONTENT: 40% by mass.
28% by volume
- SG @ 25°C: 1.25
- RECOMMENDED DFT: MIN: 25µm MAX: 40µm per coat.
- PRACTICAL SPREADING RATE @ 35µ: 8 - 10 m². (dependant on substrate and application thickness (DFT)).
- VISCOSITY @ 25°C: 80 to 85 KU

APPLICATION DETAILS:

- MIXING: Stir thoroughly with a flat paddle until homogenous. Do not shake.
- APPLICATION: Brush, roller or airless spray. Conventional spray not recommended.
- DILUTION: Not Recommended. Do not add solvent or thinners to this product.
- CLEANING: Water.
- OVERCOAT: Over coat with **Hydro Finish, Opulent Roof Coat, Pro-Shield or Opulent Eggshell Aqua**. Do not overcoat with solvent-based coatings.
- SUBSTRATE: Bare steel and prepared galvanised iron.
- 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%

- DRYING TIME

Touch dry	30 Min
Dry to handle	2 hours
Over coating	4 hours

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SURFACE PREPARATION: Ensure the surface is dry, sound, free from dirt, algae, oil, grease and any other contamination before painting.

Unpainted Substrate (Mild Steel)

- Remove all loose, flaking and embedded rust by sanding, wire brush or mechanical grinder. Bring substrate back to a sound condition. In the absence of loose or flaking rust, **Hydro Paint over Rust** can be directly applied to the rusted surface.
- Do not clean substrate with thinners / solvents.
- Prime with one or two coats of **Hydro Paint over Rust**, depending on the required DFT and environment.
- Over coat with two to three coats of **Hydro Finish, Opulent Roof Coat, Opulent Eggshell Aqua or Pro-Shield**, depending on the colour, required DFT and application.
- Do not over coat with solvent-based coatings.

Galvanised Iron.

- Remove all loose, flaking and embedded rust by sanding, wire brush or mechanical grinder. Bring substrate back to a sound condition
- Clean un-weathered galvanised iron with suitable galvanised iron cleaner as per instructions. Rinse and allow to dry.
- Prime rusted areas with one or two coats of **Hydro Paint over Rust**.
- Overcoat with two to three coats of **Hydro Finish, Opulent Roof Coat, Opulent Eggshell Aqua or Pro-Shield** depending on the colour, required DFT and application.

Previously Painted Substrate:

- Spot prime rusted patches of metal with **Hydro Paint over Rust**. It is not recommended to apply **Hydro Paint over Rust** to solvent-based products or vice versa.

APPLICATION: Stir well using a flat paddle. Apply one or two coats, depending on the required DFT. Apply un-thinned, to prepared surfaces so as to achieve required build.

STORAGE AND PACKAGING:

- Store away from direct sun, heat and severe cold. Do not exceed 50°C.
- Keep containers tightly closed.
- Packaging 1lt, 5lt.
- 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

CAUTIONS:

- Avoid painting during inclement weather or if the substrate or ambient temperature is below 10°C.
- For optimum performance a practical recommended spreading rate of 10m² / 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 as it may cause air bubbles.
- Do not add water to this product. Never add thinners/solvent to this product.
- Do not clean surface to be painted with solvent/solvent based products.
- Over coating solvent-based coatings with **Hydro Paint over Rust** is not recommended.
- Over coating of **Hydro Paint over Rust** with solvent-based coatings is not recommended.

TECHNICAL DATA SHEET

DURA INDUSTRIAL H₂YDRO PAINT OVER RUST (cont.)

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.

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.*
- *Products are manufactured to stringent specifications under laboratory controlled conditions. 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. Warranty is restricted to the replacement of defective product and excludes any direct, indirect or consequential loss of any nature howsoever caused.*
- *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.*