

# HYDROMET RUST CONVERSION

CODE: 856001

REVISION : 01

DATE: 06 July 2020

## GENERAL DESCRIPTION

A New liquid-type additives based rust convertor that can provide excellent long-term anticorrosion performance that converts rust into a protective coating.

## USES AND PROPERTIES

The new Hydromet Rust converter provide rust-converting properties to the coating layer and enable direct applications on rust or on poorly prepared substrates. Hydromet rust converter provides an efficient rust-blocking effect as soon as the paint is applied and form a passivation layer between the substrate and the coating layer ; this helps to maintain the coating's anticorrosion performance, despite adverse substrate conditions.

Hydromet Rust Converter can be used as a rust-converting pre-treatment which will perform better than tannic acid-based formulations or solvent borne alkyd-based oils.

Hydromet provides the following properties :

- Preventing the "migration" of rust through paint film, even on freshly rusted surfaces.
- Preserving the coating's colour.
- Avoiding strong de-rusting operations before painting, without loss of performance.
- Not compromising the coating anticorrosion performance on non-rusted substrates.

## TECHNICAL DATA

Binder Type	:	Modified Acrylic Emulsion, Non-toxic
Drying Time	:	Touch Dry 1 hour, hard Dry 6 hours
Drying Process	:	Water evaporation followed by coalescence
Over Coating	:	3 hours - Max. overcoating 48 hrs
Viscosity	:	98 – 101ku
Specific Gravity	:	1,2 ±0,05kg/ltr
Non Volatile Content	:	Mass: 56%±3%
Volume	:	47%±3%
Gloss	:	Sheen finish
Coverage	:	10m <sup>2</sup> /ltr for 40µ Dry Film Thickness (DFT)
Flash Point	:	Not Applicable
Application Temp	:	>4°C <40°C
Colour Range	:	Yellowish or other colours available on request
Clean Equipment With	:	Water
Pack Sizes	:	500ml, 1L, 5 L, 20L

The Dekro logo is centered at the top of the page. It consists of the word "DEKRO" in a bold, red, sans-serif font, enclosed within a white oval. This oval is surrounded by a thick yellow border, which is itself set against a background of horizontal stripes: a yellow stripe at the top, a red stripe in the middle, and a blue stripe at the bottom.

**DEKRO**

Coverage/spreading rate of **Hydromet Rust Conversion** depends largely on the condition and porosity of the substrate being painted and manner in which the product is applied.

### **APPLICATION**

Correct surface preparation is essential for good product performance and all surfaces should be prepared as per the standard Dekro Preparation Specifications. Copies of these are available on request from your Dekro Paints or can be downloaded from our website – [www.dekro.co.za](http://www.dekro.co.za).

Technical Data Sheet

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## APPLICATION (continued)

Do not apply when ambient temperatures are  $<4^{\circ}\text{C}$  or  $>40^{\circ}\text{C}$ .

After correct surface preparation, prime with **Hydromet Rust Conversion** by brush, roller or spray at the specified spread rate as per technical data.

## SAFETY INSTRUCTIONS

Always keep out of reach of children and animals.

Wear a suitable dust mask and goggles when preparing surfaces.

Ensure good ventilation during application and drying.

If accidental contact with skin, wash immediately with soap and water or a recognised skin cleaner.

If accidental contact with eyes, rinse immediately with plenty of water and seek medical advice.

Harmful if swallowed. Seek medical attention and do not induce vomiting.

## GENERAL

Different surfaces and environmental conditions require specific painting systems to produce the best possible results.

It is therefore recommended that you contact a Dekro Sales representative for advice on all your painting requirements whenever possible.

## PREVENTING PROBLEMS AND GENERAL INFORMATION

**IMPORTANT:** Walls (cement plaster, concrete or masonry) must be dry before painting and should not exceed a moisture content of 10% as measured with a Protimeter Surveymaster Moisture Meter or equal. The ambient temperature must be between  $4^{\circ}\text{C}$  and  $40^{\circ}\text{C}$  and humidity between 10% and 85%.

Excessive application thickness and/or rapid drying could lead to mud cracking.

Avoid applying under adverse weather conditions as this could result in poor product performance.

Work from corner to corner, or from a natural cut off point to another.

Do not attempt touch ups, but redo complete panels.

Always keep a wet edge and avoid downing tools during the application process to prevent lap marks and variances in colour or texture.

To ensure consistent appearance ensure that the batch numbers on all containers used are the same. Where batch numbers on containers differ, intermix containers before use.

Preferable to use plastic utensils since Hydromet is reactive with metal.

Do not use in inclement weather or use over heavy rust or scale.

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## CLEANING, STORAGE AND DISPOSAL

Remove as much paint as possible from application equipment and wash immediately after use with water. Close containers tightly after use and store in a cool well-ventilated area.

Do not empty contents or wash water into drains or water courses.

When disposing please follow local authorities regulations and recycle the container after use.

Technical Data Sheet

The technical data furnished is given to the best of our knowledge based on controlled laboratory tests under ideal application conditions. No guarantee of any performance characteristic is therefore given or implied and we do not hold ourselves responsible for any consequential damage of whatsoever nature that may arise from use of our products. In the event of a proven product fault our liability will be limited to the replacement of the product only. It is the user's responsibility to confirm the currency of product data sheets.