

HYDROMET RUST CONVERSION

Page 1 of 3

CODE: 856001

REVISION: 04

DATE: 31 March 2026

GENERAL DESCRIPTION

Hydromet Rust Conversion is a water-based rust-converting primer designed for direct application onto rusted steel surfaces. It stabilizes corrosion and forms a protective passivating layer, preventing further rust development while providing an excellent base for subsequent coatings.

USES AND PROPERTIES

- Converts and stabilizes rusted surfaces.
- Forms a protective anti-corrosion barrier.
- Prevents rust migration.
- Suitable for minimally prepared substrates.
- Water-based, low VOC.
- Maintenance and refurbishment coatings.
- Structural steel and general metalwork.
- Fencing, gates, and industrial equipment.

TECHNICAL DATA

Binder Type	:	Acrylic Emulsion, Non-toxic
Drying Time	:	Self-crosslinking, multi-phase acrylic dispersion
Drying Process	:	Water evaporation followed by coalescence
Overcoating	:	3 hours - maximum overcoating 48 hours
Viscosity	:	100 - 105KU
Specific Gravity	:	1,25 ±0,025kg/litre
Mass Non-Volatile Content	:	57% ±3%
Volume Solids	:	48% ±3%
Gloss	:	Flat
Coverage	:	10m ² /litre
Dry Film Thickness	:	48 microns @ 10m ² /litre
Colour Range	:	Yellow
Clean Equipment With	:	Water
Pack Sizes	:	500ml, 1litre

Coverage/spreading rate of **Hydromet Rust Conversion** depends largely on the condition of the substrate being painted and way the product is applied. Do not overspread.

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 Dekro Paints or can be downloaded from our website –www.dekro.co.za.

Do not apply when ambient temperatures are <4°C or >40°C.

Remove loose rust, scale and flaking paint. Degrease thoroughly. Surface must be dry. For best results prepare to St2–St3.



HYDROMET RUST CONVERSION

Page 2 of 3

APPLICATION (continued)

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

Apply by brush, roller, sponge or low-pressure spray.

Ready for use. Do not dilute (optional max 5% water). Apply above 5°C and below 85% RH.

Note: **Hydromet Rust Conversion** dries off-white conversion layer. No blackening occurs.

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: The ambient temperature must be between 5°C and 40°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.

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 Rust Conversion** is reactive to metal.

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

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 authority's regulations and recycle the container after use.

Avoid storing in direct sunlight and heat.



**APPLICATIONS
FOR AFRICA®**

DEKRO
IS THE ARCHITECTS CHOICE

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.

e-mail: info@dekro.co.za

Toll Free: 0800 222 423

<http://www.dekro.co.za>