

HYDROMET RUST CONVERSION

CODE: 856001

REVISION : 03

DATE: 24 January 2025

GENERAL DESCRIPTION

A tannate based rust converter that converts rust into a protective coating.

USES AND PROPERTIES

In situations where use of blast cleaning is not possible to achieve the ideal result, or is considered too costly or impracticable, the norm has been to remove loose material and then convert the iron oxide e.g. by use of a solution of tannic acid. The dark grey to black complex formed serves as an indication that the reaction has taken place and that the rust conversion was complete. Good barrier properties i.e. very low water vapour and oxygen permeability.

TECHNICAL DATA

Binder Type	:	Modified Acrylic Emulsion, Non-toxic
Drying Time	:	When fully converted a blue black colour develops to give an insoluble coating
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	:	Milky appearance in wet (Yellow tone)
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 manner in which 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 your Dekro Paints or can be downloaded from our website – www.dekro.co.za.

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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°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.

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 Rust Conversion** is reactive to 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



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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.