

Technical Data Sheet
Issued, 1.05.09

DINITROL[®] RC 800

Rust Conversion

Characteristics:

- Rust converter
- Forms stable iron complex
- Impermeable to oxygen

DINITROL RC 800 is a co-polymer latex combined with organic agents designed for application to corroded ferrous substrates.

DINITROL RC 800 actively converts the rust present on the substrate into a stable organic iron complex. As the polymer dries it forms an impermeable barrier to oxygen and moisture effectively sealing out any further corrosion.

DINITROL RC 800 has an extremely low order of toxicity and does not contain phosphoric acid or lead.

Applications:

DINITROL RC 800 has been successfully used on the following applications, automotive shells and chassis, ships ballast tanks, steel bridges, brine tanks, harbour installations, lamp posts, oil rigs, railings, sewage treatment works, storage tanks, structural girders and railway vehicles.

Method of use:

Wire brush the substrate to remove loose flaking paint and rust, remove any high surface peaks by abrading and then wash the substrate with detergent to remove oil and grease. The surface should then be cleaned using high-pressure water wash to remove the detergent and any corrosion salts. Do not remove all traces of rust, the presence of rust is necessary for the complete chemical reaction of DINITROL RC 800.

It is recommended to carry out an initial test area at all times. This test should take place in the working conditions of application. The topcoat system should also be tested for compatibility. Stir the product thoroughly before use, then decant sufficient material for the operation into a suitable non metallic container. To avoid contamination do not pour any unused material back into the original bulk container.

Apply a minimum of two coats by brush, spray or roller allow to a wet film thickness of 60 – 90 um per coat (20 – 30 um DFT)

Application by brush is preferred for the first coat to ensure full penetration when the substrate is heavily rusted.

Use a short nap roller and apply the coating evenly, edges may need to be stripe coated by brush to ensure the substrate is completely coated.

The coating may be applied by air assisted or airless spray techniques.

Application temperature is recommended at 5 – 30°C.

Die in diesem Merkblatt gemachten Angaben sind das Ergebnis sorgfältiger Untersuchungen. Soweit sie sich auf die Anwendung beziehen, sind sie als Empfehlung zu betrachten, die dem Erfahrungsstand entsprechen. Wegen der Vielseitigkeit der Anwendungs- und Arbeitsweisen können wir jedoch eine Verbindlichkeit nicht übernehmen. Es wird daher ein vertragliches Rechtsverhältnis nicht begründet, und es entstehen aus eventuellen Kaufverträgen keine Nebenverpflichtungen.

All data and recommendations are the result of careful tests by our laboratories. They only can be considered as recommendation which correspond to the level of experience of today. The data are given in good faith. However, in view of the multiplicity of possible application and working methods we are not in a position to assume any responsibility or obligations deriving from the use of our products.

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Technical properties:

Appearance:	Liquid with mild odour
Colour:	Milky off white
ph:	1.0 - 2.0
Viscosity at 25°C:	200 - 400 cps Brookfield Spindle 5 at 50 rpm
Non Volatile Content (Volume):	39%
Specific Gravity at 20°C:	1,2
Flash Point:	58°C
Volatile Organic Content:	102 g/Ltr
Tough dry:	15 - 30 minutes
Coverage at 75 um WFT:	10 - 12m ² per litre
Available in:	1 L Bottles 25 L Cannister

For all relevant safety advices please read the material safety data sheet or the packaging label.

Corrosion Protection Corrosion Protection

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