





-  CONCRETE REPAIR
-  RIPRISTINO DEL CALCESTRUZZO
-  RESTAURATION DU BÉTON
-  NAPRAWA BETONU



REDOX

Rust converter

Description

REDOX is a specially developed compound made up of functionalized polymers, gallic acid (converter), modifying agents and additives. It was specifically designed to chemically react with rust, turning it into a dark coloured protective film that prevents further metal oxidation. It contains no substance that may change colour when exposed to UV light; its action can therefore be checked by eye. REDOX is much more effective than ordinary converters based on tannic acid.

Where to Use

REDOX is used as a rust converter on iron surfaces:

- iron manufactures before painting;
- reinforcement iron bars before they are covered by restoring or protecting mortars.

Application

Preparing the lying surface

If the problem is just a slight oxidation, apply REDOX directly onto the surface.

If, however, you are dealing with a thick layer of rust, sand it down with coarse sandpaper to remove the outer crust, as this may stop the product from penetrating.

Preparing the product

Shake the REDOX pack and pour the contents into a separate container in order not to contaminate the original pack.

Product application

Apply one or two layers of REDOX using a roller or brush, at 1÷2 hour interval.

Following the active principle reaction with surface rust, a very hard, clear, dark brownish film will be produced; this means the treatment has gone as far as non-rusty iron.

Finish

After a few hours (in hot weather) or a whole day (at colder temperatures), you may overlay, if required, a protective/colour coating.

Coverage

With 1 kg product per m² you will obtain a dry film approx. 0.42 mm thick.

Warnings

- Do not use the product on hot summer days: a too fast evaporation of the water content may inhibit the converter chemical activity.
- Store away from heat sources.
- Any remaining product, after work is completed, is not to be put back into the original pack, to prevent contamination.

Coverage

Coverage can vary between 0.10 and 0.15 litres/m².





Safety information

- Use suitable means to protect your hands, eyes and face.
- The product is slightly irritating: please read the safety card.

Specifications

Bulk Density, UNI 8310	g/cm ³	1.17 ± 0.05
pH, UNI 8311	---	< 2
Apparent Dynamic Viscosity, ISO 3219	mPa·s	80 ± 30
Superficial Drying Time, UNI 8904	min	70 ± 10
Application Temperature	°C	+10 ÷ +35



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Note: test methods refer to the regulations quoted next to them.

Packaging and storage

REDOX comes in 1 or 5 litre containers. Each pack bears a label with product name and user instructions. This product is stable for over 1 year.

Legal notice

Tips on how to use our products match the current state of our knowledge and do not imply any assumption of responsibility or/and liability for the final result of works. Therefore, customers are not exempt from the responsibility to verify the suitability of products for use and final aims through preliminary tests. The website www.nordresine.com contains the latest revision of this datasheet.

Edition

22.12.2003

