



TIMIRECONVERTOR – Rust Converter

DESCRIPTION

Timireconvertor is a transformer and corrosion passivator based on a chelate polymer, dilutable in water, that reacts with the various oxides that constitute rust and transforms them into bluish-black colour inert organo-metallic complex compound which protects the metal surface by an anodic passivation process.

PROPERTIES

- It reacts rapidly in the rust, neutralizing it to an insoluble organometallic complex compound
- Applies directly to rusted surfaces
- Good applicability
- Quick drying
- Good penetration capacity

PHYSICAL DATA

| | | |
|-------------------------|-------|---------------------------------|
| COLOUR | | Milky Beige |
| FILM ASPECT | Gloss | Satin |
| SPECIFIC GRAVITY | | 1.030 ± 0.030 g/cm ³ |
| VISCOSITY | | 20 ± 5" Coup Ford IV |
| SOLIDS BY WEIGHT | | 65 % – Theoretical Value |

APPLICATION DATA

SURFACE PREPARATION

The surface must be rusty, clean and free of oils and grease. Non-adherent rust, scales and calamine must be removed with the aid of a metal brush, sandpaper or discs. Before starting treatment with the **Timireconvertor**, protect all surfaces surrounding the surface to be treated (painted or coated walls, concrete or cement walls or floors, etc.), in order to prevent them from getting black spots resulting from drips and drains of the product.

APPLICATION METHOD

Brush - Apply one coat with a hard brush so as to force the product to penetrate the rust. The best results are obtained when it is not applied as an excessively thick coat of **Timireconvertor**.

THEORETICAL COVERAGE

18 to 20 m²/L/per coat – The theoretical coverage depends on the roughness and absorption of the substrate, as well as the type of application.

DRYING TIME

Touch dry – 3 to 4 hours
Repainting – 24 hours (Do not exceed 48 hours)

UTENSILS/TOOLS CLEANING

The utensils/tools must be cleaned with water immediately after the application.

ENVIRONMENTAL CONDITIONS DURING APPLICATION

| | |
|---------------------|---------------------------|
| Ambient Temperature | ≥ 5 °C |
| Relative Humidity | ≤ 80 % |
| Surface Temperature | 2 to 3 °C above dew point |

SHELF LIFE

When stored inside in original containers and sheltered from sunlight and cold at temperatures between 5 and 40 °C, the product has a shelf life of 3 years after its date of manufacture.

This technical data sheet is merely of an advisory nature, based on current technical know-how, for guidance, and may be changed without prior notice. As the conditions of application are beyond our control, the company cannot under any circumstances be held responsible for the obtained final results in its use.



TIMIRECONVERSOR – Rust Converter

OBSERVATIONS

- 1 - **Timireconversor** does not work over rust which is flaking or loose and must not be applied over surfaces that are rust free or rusty surfaces which have been exposed to very corrosive atmospheres (chemical or marine installations etc) because they will be saturated with soluble salts (ex: ferrous sulphates, sulphates of ammonia and sodium chloride) so it is necessary to dispose of them by washing with clean water, before applying **Timireconversor**.
- 2 - The reaction between **Timireconversor** and the rust must be complete before overpainting with any other product. The reaction is characterised by the development of a deep bluish black colour on the surface being treated. Under normal conditions the reaction will be complete within 24 hours. The non appearance of this colour is indicative that the quantity of product applied as the first coat was insufficient to convert all the existing rust and so a second coat must be applied.
- 3 - If it rains before the **Timireconversor** is dry the treatment will be rendered completely or partially ineffective and it will be necessary to re apply.
- 4 - In the case of the bluish black complex spreading over adjacent surfaces such as (stone, concrete, wood etc.), it can be removed by washing with a solution of approx. 1% Sodium Hypochlorite (domestic bleach diluted 4 parts by volume).

HEALTH, SAFETY AND ENVIRONMENT

In general, avoid contact with eyes and skin; gloves, goggles and appropriate clothing must be worn. Keep out of the reach of children. Use only in well ventilated areas. Do not empty into drains. Keep the container properly sealed and stored in the correct place. Take correct measures when transporting the product; Prevent any accident or incident that may occur during transportation, in particular the rupture or deterioration of the packaging. Ensure that the container is correctly stacked in a safe area. Do not store or use the product in extreme temperature conditions always between 5 and 40 °C. Always take account of the appropriate legislation relating to the Environment, Hygiene, Health and Safety at Work. For more information it is essential to read the label on the container and the product Material Safe Data Sheet.

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