



JCHEM-RC

Technical Bulletin

RUST CONVERTOR

JCHEM RUST CONVERTOR is an extremely safe and water-based compound that allows you to coat over rusty ferrous-based metal then topcoat with any kind of paint. It can be used for cost effective corrosion control with minimum surface preparation without the need to sand or grind to bare metal. .

RUST CONVERTOR chemically converted the rusty metal into protective layer which is a hard formation. The polymer used is incorporated with reactive organic compounds to transform the rust to act as a primer (will not react with moisture and oxygen).

The fields of application for **RUST CONVERTOR** ideal for:

- Construction, chemical and petrochemical industries, electricity and gas power station, Oil and gas offshore and onshore installation, marine, shipbuilding, civil engineering, Pylons, cranes, bridges, architectural steel works etc.
- Resistant to a wide range of aggressive chemical including hydrochloric, Sulphuric, nitric And phosphoric acids, sodium, potassium and ammonium hydroxide, sodium hypochlorite etc., as well as organic solvents such as alcohol, methylated spirits, mineral turpentine, Oil, grease, diesel etc.

SURFACE PREPARATION:

Remove oil, grease, loose rust and scale before application. In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application.

APPLICATION:

RUST CONVERTOR is suitable for application by brush, roller, airless electrostatic spray and aerosol type. It is important to brush the loose, rust off before coating.

RUST CONVERTOR can be over coated with wide range of commercially available paints and coating including oil based, alkyds, chlorinated rubber, epoxies, polyurethane, vinyl as well as water based acrylic and acrylic copolymer types.

APPLYING:

- Pour the estimated amount needed for the job into a clean container
- Use of rubber gloves are recommended because rust protector is difficult to remove from the skin
- Apply 2nd coat of RUST CONVERTOR within 15-20 minutes in a cross direction to the previous coat. Allow to dry for 24 hours
- RUST CONVERTOR dries to a black matt finish and for better results applies two thin layers.
- Clean all the equipment immediately after use with fresh water and liquid detergent.



DRYING TIMES:

- Allow 24 hours to ensure complete transformation of rusty surfaces turned to black and completely cured before the application of the finished paint coat
- For long lasting protection of surfaces, the protective layer should be sealed with two coats of paints.

HAZARD IDENTIFICATION

- Keep away from Heat and flammable source
- Harmful if swallowed
- Avoid contact with eyes, skin and clothes
- Wash thoroughly after handling
- Keep container closed

Applications Characteristics and Film Properties

Area Coverage per 1 liter	:	10 m ²
Wet film thickness	:	100 microns
Dry film thickness	:	40 microns

DRYING TIMES

Touch dry (summer)	:	20 minutes at 25°C
Touch dry (winter)	:	2 hours at 10°C
Cold or high humidity conditions	:	12 hours
Between coats	:	15-20 minutes
Use it neat for effective conversion of rust		
Over coating	:	Compatible with most paints
Temperature resistance	:	20°C to 60°C (Dry film)
Storage	:	Between 5 - 40°C Protect from frost
Flammability	:	Wet film non flammable Dry film is fire retardant
Shelf-life	:	Proper store and keep in cool place it will Last more than 6 months



Rust Converter Application Demo File

Before Applying Rust Converter



After applying Rust Converter

