

PRODUCT DATA SHEET

Product

Rust converter primer

Type

A chemical treatment for the conversion of rust into a primer coating suitable for subsequent painting etc.

Intended Use

For use on corroded ferrous metal in order to facilitate refinishing.

Special Features

Ready to use water-based anti-corrosion treatment to inhibit and neutralise rust. It stabilises the surface and forms a protective coating once dry, will react to form a barrier against water vapour, oxygen, and carbon dioxide to prevent further rusting. RC800 rust converter will resist salt spray and bacterial growth.

Compatibility

Try on a small test area for compatibility before using.

Settlement

Stir/shake well before use.

Preparation

The surface must be clean, dry, and free from dust, oil, and grease.

Remove old loose paint and rust with steel wool or wire brush.

If paint is difficult to remove use paint stripper.

Weathered steel should be high pressure water or wet abrasive blasted to SSOC-SP6.

Best results are achieved when some bright metal, at least 10%, is showing in the rusted area.

Light to medium rusted steelwork must be properly prepared by wire brush or power tools (SSPC.SP3) to remove loose millscale and flaky rust and paint, which is not sound or tightly adhered.

Do not use in hot dry weather. Apply when the humidity is greater than 40%.

On warmer days it is recommended to damp down warm steel with a mist of water prior to application

Application

RC800 is supplied ready to use. DO NOT THIN.

RC800 should be stored at room temperature (20°C /68°F) for 24 hours prior to use.

Apply when air and surface temperatures are between 5°C and 30°C with relative humidity between 40-90%.

When using, always decant the product into a separate plastic container.

Never return surplus used material back into the original container.

Best applied by brush or deck scrubber or roller to encourage penetration of rusted surfaces.

Brush a thin coat directly onto rusty areas only, working well into any pitted areas, corners, and edges.

Brush well into the rust to leave a dry film thickness of 25-30 microns

Ensure that exposed corners and edges are well treated to avoid any chance of rust creep beneath.

RC800 in the wet state is off-white in colour.

After application, the changing colour of the coating indicates that the chemical reaction is taking place.

One coat should be sufficient, but two coats will give longer lasting protection

After treatment, the overall area should be navy/black in appearance.

One coat should be sufficient, but two coats will give longer lasting protection

If this is not the case, insufficient surface preparation has been carried out, so you will need to apply a further coat.

One coat should be sufficient, but two coats will give longer lasting protection

Drying time

Will normally be touch dry within 2 to 3 hours depending on the temperature and humidity.

Cooler temperatures delay drying.

Re-coating Time

Rust Converter will turn any treated areas blue-black as it reacts with rust.

If the area treated does not change colour, reapply after 30 minutes. Do not rinse off the first treatment.

Cooler temperatures delay final full curing. Allow a minimum of 8 hours before over coating with water-based products and 24 hours when using solvent based topcoats.

Application Temp.

Ideally between 15 – 25°C. Coverage 6-8 m² per litre depending on the absorbency of the surface.

Clean up

Wash brushes and equipment with water immediately after use. Clean spray lines before RC800 dries.

When it has dried, is difficult to remove. Use an aromatic solvent to soften dry brushes or free clogged lines.

Shelf-life/Storage

Many years in original unopened container stored in a cool, dry, dark place and protected from freezing.

Hazards

WARNING. CAUSES SERIOUS EYE IRRITATION.

For full safety data sheet visit the SDS safety data page