

Rust Converting

Rust-fix™ primer converters

RK 500 & RK 500CP



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These products have been designed for priming poorly prepared surfaces where traditional blasting is either too expensive or impractical. Using Rust-fix™ Primer Converters can replace the need for blasting and potentially saves up to £10.00sqm in application costs by removing the need for blasting. The Rust-fix™ range is designed to chemically convert the iron oxide to a non-friable stable substrate that is compatible with virtually all topcoats.

Rust-fix™ RK 500 – Solvent-borne System – this product is designed to be overcoated in 15 minutes. It is ideally suited on applications where surface preparation is a problem and where blasting is either prohibitively expensive. It has been widely used to prime pipework on offshore oilrigs. On one rig a major coating manufacturer's system failed because of poor surface preparation after only 36 months to such an extent the pipe work required re-coating. Rust-fix™ RK 500 was used as a rust converter and primer as blasting was not possible due to cost and the long downtime associated with blasting. The picture shows how well the recoated pipework looks after 18 months. It is ideally used in conjunction with Chemco's Epo-chem™ range of protective coatings as shown in the pictures.

Rust-fix™ RK 500CP – Water-borne System – this product is designed for areas where solvent emission is a problem. It is designed for minimal surface preparation ST 3. It has been used as a primer converter in many internal vessel and pipe linings where blasting is not practical and ventilation is difficult. It is widely used in offshore platforms in the North Sea. This product has also been successfully trialled by British Coal in working mines as a primer converter.

Both systems require ST 3 surface preparation with a theoretical coverage of between 10 – 14 sqm per ltr. Typical surface preparation requires only wire brushing and the removal of the loose surface rust.

Failed coating system on a North Sea oil platform replaced by a Chemco based system that required surface preparation to ST 3 and priming with Rust-fix™ RK 500



Pipework prepared to ST 3 and primed with Rust-fix™ RK 500 then over coated with Epo-chem™ RI 500 after 18 months.



Chemco manufactures an extensive range of products which are designed to meet every corrosion and containment challenge. We offer unlimited technical support including site survey, estimation, inspection and application assistance. An extensive list of our products and industry uses are listed below:

Products

- Glassflake coatings
- Coatings in contact with food & beverage
- Damp or green concrete primers and coatings
- Floor coatings
- Rust converters and primers
- Under-water coatings
- Anti-static and conductive coatings
- Elastomeric coatings
- Fire retardant & intumescent coatings
- Ceramic coatings

Industry

- Petro-chemical
- Food and beverage (including wine & beer tanks)
- Water & sewage (including drinking water)
- Nuclear and power generation
- Maintenance and new construction
- Marine industry (including ballast tank)
- Ministry of defence
- Car parks, industrial warehouses
- Fire and heat protection
- Heat insulation