

# KUT RUSTCON 100

## Rust Converter & Anti-Rust Protector For Iron & Steel Surfaces

PPC-17-1112



### DESCRIPTION

**KUT RUSTCON 100** is a water soluble rust converting, self priming coating for wet and dry surfaces. It is also a clear, highly chip resistant protective coating for painted surfaces to stop further rusts developing. It is therefore an extremely safe versatile product which can be used for cost effective corrosion control with minimum surface preparation.

### USES

**KUT RUSTCON 100** has uses in construction, chemical and petrochemical industries, electricity and gas power stations, oil and gas offshore and onshore installations, marine, shipbuilding, civil engineering, pylons, cranes, bridges, architectural steel works and defence applications.

### ADVANTAGES

- Can be applied to a rusted surface. KUT RUSTCON 100 will rapidly react with rust converting it to an inert black organic compound to prevent further rusting.
- Is non-hazardous, non-toxic, non-flammable and water based.
- Has easy application on all surfaces with minimum preparation (no shot blasting).
- Gives long term protection. Apply to rusted surfaces or painted surfaces with no rust underneath.
- Over existing well adhered paintwork it will fill any cracks and protect the exposed metal giving the paint a rust proof clear top coat that should last in excess of five years.
- Has outstanding water, oil and UV resistance.
- Returns dry film fire retardant characteristics.
- Has an ideal balance of film hardness, flexibility and impact resistance.
- Has extremely low permeability factor to water vapour and oxygen of 15 to 25 gms/m<sup>2</sup>/mil/day.

- Has superior adhesion to most substrate like iron, cast iron, steel, stainless steel, copper, aluminum and galvanized steel, concrete, grouts and brick.
- Suitable for use on iron, cast iron, steel, stainless steel, copper, aluminum and galvanized steel, also on concrete, grouts and brick.
- Protecting post tension strands against corrosion.
- Can be over coated.
- Resistant to a wide range of aggressive chemicals.

### TYPICAL PROPERTIES

- **Average Coverage per liter:** 10 m<sup>2</sup>.
- **Wet Film Thickness:** 100 microns.
- **Dry Film Thickness:** 40 microns.
- **Drying Times:**

<b>Touch Dry</b>	: 10 mins. @ 35° C.
<b>Touch Dry</b>	: 2 hours @ 10° C.
<b>Cold or High Humidity</b>	: 12 hours.
<b>Between Coats</b>	: 24 hours.
<b>Over Coating</b>	: 24 hours.
- **Dilution:** Up to 10% with water.
- **Temperature Resistance:** - 20° C to + 60° C.
- **UV Resistance:** Very long term.
- **Chemical Resistance:** Resistant to dilute solutions of Hydrochloric, sulphuric, nitric and phosphoric acids. Sodium, potassium and ammonium hydroxides etc. as well as organic solvents such as alcohol, methylated spirits, mineral turpentine, oil, grease, petrol etc.

### INSTRUCTIONS FOR USE

**Surface Preparation:** KUT RUSTCON 100 can be applied directly to lightly rusted surfaces. If the surface is heavily rusted, for maximum protection remove all flaky and heavy rust by wire brushing, or shot blasting. Any dirt, mill scale, oil, grease or unsound paintwork should be removed prior to application. Use suitable detergents.



مصنع التخصصية لكيموايات البناء  
**SPECIALITIES CONSTRUCTION CHEMICALS FACTORY**

Marketed by: Alghanim Specialities Co. W.L.L.  
Amghara Industrial Area, P.O.Box: 23595 Safat, 13096 Kuwait  
Tel: 1802550 – 400 - Fax: +965 24582548 - Email: sales@spec-kw.com



**Application:** KUT RUSTCON 100 can be applied by brush, roller, airless and electrostatic sprayer. It may be applied to damp surfaces as long as no free water is present on the surface. **KUT RUSTCON 100** is specifically recommended as a first coat application to rusted surfaces.

**\*Note:** Mix well before use.

**Over Coating:** KUT RUSTCON 100 can be over coated by a wide range of commercially available paints and coatings including oil based paints, alkyds, chlorinated rubber, 100% solids zero VOC epoxies, polyurethanes, vinyls, water based acrylics and acrylic polymers.

**Protection Time:** For guaranteed permanent protection it is recommended to reapply **KUT RUSTCON 100** after a period of 5 to 10 years.

## PACKING AND COVERAGE

**Packaging:** KUT RUSTCON 100 is available in 0.5 kg and 4 kg cans. Bigger size packing can be made available depending on customer requirements.

**Coverage:** At an application rate of approximately 8 m<sup>2</sup>/ltr in two coats. Apply three coats in very salt exposed conditions and four coats if constantly immersed in water. For continuous immersion it is recommended to over coat **KUT RUSTCON 100** with **KUT EPOXY COATING UW** or **KUT TAR EPOXY COATING HS 100**.

## PRECAUTIONS

**Cleaning:** For cleaning of the tools and equipment use fresh water only. Spillages of **KUT RUSTCON 100** should be absorbed with sand or earth etc. and disposed in accordance with local regulations.

**Fire:** **KUT RUSTCON 100** is not flammable. Dry film of **KUT RUSTCON 100** acts as a fire retarder.

**Handling and storage:** **KUT RUSTCON 100** has a shelf life of minimum 12 months when stored between 5°C & 35°C. Protect from freezing. **KUT RUSTCON 100** may have settlement on prolonged storage. Mix very well before use.

## HEALTH AND SAFETY

Take precautions to prevent material entering the eyes. Wear goggles while applying. Provide adequate ventilation. Wear face masks during application. If the material comes in contact with skin, wash the affected area immediately with plenty of clean potable water. Do not swallow. If swallowed seek medical attention immediately. **DO NOT INDUCE VOMITING.**

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