

# CWC® SMAR RUST CLN

## READY TO USE SINGLE COMPONENT RUST REMOVER CUM PASSIVATOR

### DESCRIPTION

**CWC® Smart Rust CLN** is a single component liquid that removes rust and temporarily prevents further rusting of steel structures by providing a passivating coat.

### USES

**CWC® Smart Rust CLN** removes rust and temporarily prevents further rusting of:

- New or old reinforcement steel in construction
- Embedded steel in repairable structures
- Various steel structures like tanks, water pipelines, effluent pipelines, trusses, purlins, rafters etc.
- Ball bearings, valves, tools etc.
- Ideal for protecting reinforcements with insufficient cover or in thin sections.

### CHARACTERISTICS / ADVANTAGES

- Removes rust
- Temporarily prevents further rusting by providing a passivating coat
- To be applied with brush, cotton waste swab or spray gun on the affected metal surface
- Easy to apply since it is in liquid form
- For repairable structures when applied with brush /spray gun can reach even the most difficult rusted areas with congested reinforcements

### PACKAGING

- Packaging 1 kg plastic bucket x 10
- Packaging 5 kg plastic bucket x 2
- 20kg Bucket

### INDICATIVE CHARACTERISTICS

<b>Appearance / Colour</b>	Clear liquid
<b>Density</b>	~1.17 kg/L at +30 °C
<b>Consumption</b>	1 kg covers 3-5 m <sup>2</sup> in 2 coats (depending on the diameter of the rods) 0.120-0.150 kg/m <sup>2</sup> per coat (depending on extent of rusting and nature of substrate)
<b>Substrate temperature</b>	+5 °C min. / +50 °C max.

### APPLICATION INSTRUCTIONS

#### SUBSTRATE QUALITY / PRE-TREATMENT

Substrate should be free from oil, dirt and grease. For concrete remove cement skin, loose particles etc. Cavities and pin holes should be levelled.

For heavily rusted surface, first clean mechanically by wire brushing, sand blasting etc. depending on the extent of corrosion.

The surface should be dry before application of CWC®Smart Rust CLN.

#### APPLICATION

#### IMPORTANT

CWC®Smart Rust CLN is not a permanent passivator. Soon after rust removal, apply a corrosion protection coating such as CWC® Smart Coat EP.

Apply CWC®Smart Rust CLN by brush, cotton waste swab or spray on the effected metal surface. Leave it in contact with the surface till the reddish colour of the corroded surface has changed to nearest original black.

Excess application may sometime give whitish black surface. After a minimum 24 hours remove the loose rust particles by brush.



After the removal of loose rust any reddish rusted surface still left has to be re-treated with CWC®Smart Rust CLN. After the surface dries up totally (within 48 hours). Clean the surface with water jet and allow it to dry.

**Shelf Life:** If stored in unopened containers at normal ambient temperatures, a shelf-life of approximately 12 months.

Freezing point: Approximately -2°C.

### Safety

Before use, refer to the Material Safety Data Sheet. The MSDS is available on [www.cwcchemicals.com](http://www.cwcchemicals.com)

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