

# REDWOP 3IN1

Rust Remover-Passivator



## Description:

REDWOP 3IN1 is a single component liquid that removes rust and temporarily prevents further rusting of steel structures by providing a passivating coat.

## Uses:

- 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.

## Advantages/Characteristics:

- 3IN1 means removes rust, Phosphetization & Good Adhesion
- 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

## Company Standard Compliance:



- rust particles by brush.
- After the removal of loose rust any reddish rusted surface still left has to be re-treated with REDWOP 3IN1.

## Technical Information:

Properties	Specification
Color	Clear
Appearance	Liquid
Specific Gravity @27°C	1.07 to 1.10

## Application Procedure:

### Substrate Quality/Pre-Treatment:

- Substrate should be free from oil, dirt and grease. For concrete remove cement skin, loose particles etc. Cavities, 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 REDWOP 3IN1.

### Application:

- REDWOP 3IN1 is not a permanent passivator. Soon after rust removal, apply a corrosion protection coating such as REDOPOXY, CLOUDATES, TEPALS & REDOTHANE Primer.
- Apply REDWOP 3IN1 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

- After the surface dries up totally (within 48 hours). Clean the surface with water jet and allow it to dry.
- Apply a preventive coating like REDOPOXY, CLOUDATES, TEPALS & REDOTHANE Primer.

#### NOTE:

- 3IN1 we can apply by pure & with addition of water as per our requirement.

#### Coverage:

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)

#### Packaging:

REDWOP 3IN1 is supplied in 1, 5, 10 & 20 Kg.




#### Storage & Shelf-life:

Shelf life is 60 months in unopened packs stored at room temperature i.e. 27°C the liquid component must not be allowed to freeze.

#### Health & Safety:

REDWOP 3in1 is acid based and should be handled with care. It attacks zinc, aluminum and putty. If in doubt about its effect on a material, test a small area before application. Avoid contact with skin. Rubber gloves and goggles should be worn. Wash spillages with plenty of water. Enclosed areas should be well ventilated. If contact with eyes occur, wash immediately with water and seek medical advice.

	It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.
	ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.
	ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.
	ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

	This symbol is used to identify Redwop products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.
	Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.
	ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

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