



PC-Rustproof® R

Cleaning agent to Remove Rust from Reinforcement Bars

PC-Rustproof® R is a rust and mill scale remover that eliminates thin films of oil and grease. It is made of phosphoric acids and other chemicals, making it highly effective. It is unique for its efficiency, economy, and inventory savings, and it requires minimal water usage. **PC-Rustproof® R** is also designed for the same purpose and eliminates welding scales in steel surfaces.

AREAS OF APPLICATION

The use of reinforcement steel in construction provides protection for thin sections and those with insufficient cover. It is also used in various structures such as tanks, pipelines, trusses, and ball bearings, among others.

SUBSTRATE QUALITY / PRE-TREATMENT:

To ensure optimal coating adhesion, the substrate must be free of oil, dirt, and grease. For concrete surfaces, remove any cement skin, or loose particles, and level out any cavities or pinholes. In the case of heavily rusted surfaces, it's crucial to clean the area mechanically using wire brushing or sandblasting, depending on the extent of corrosion.

APPLICATION

To repair corroded metal surfaces, apply **PC-Rustproof® R** using a brush, cotton waste swab, or spray. Allow it to remain in contact with the surface until the reddish color of the corroded area has changed to the nearest original black. Over-application may result in a whitish-black surface.

After a minimum of 24 hours, remove any loose rust particles using a brush. Any reddish, rusted surface remaining should be re-treated with **PC-Rustproof® R**. Once the surface has completely dried (within 48 hours), clean it with a water jet and allow it to dry. Finally, apply a preventive coating like **PC-Rustproof® R** to the surface.

CLEANING OF TOOLS

It is recommended to clean tools with a cleaner immediately after use to prevent hardened material from setting. If left unattended, mechanical means may be required to remove it.

ADVANTAGES

- Removes rust
- 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

TECHNICAL DATA

Physical Properties	Typical Value
Colour	Clear liquid
Density	1.01 kg/l
Consumption	1 kg covers 3-5 m ² in 2 coats
Substrate Temperature	+5 °C min. / +50 °C max
Exposure time	5 min

PACKAGING

PC-Rustproof® R is available in 20-KG pails, 5 Kg drum and 1 kg pack.

STORAGE AND SHELF LIFE

Store at temperature between 5°C and 50°C in a tightly sealed container. Shelf life is minimum of 18 month in a good storage protected from direct sunlight and frost.

HEALTH AND SAFETY

To ensure proper handling, storage, and disposal of chemical products, users must refer to the latest Material Safety Data Sheet (MSDS). These documents contain essential safety-related data, including physical, ecological, and toxicological information.



PC-WC GLOBAL FZ-LLC

Compass Building, Al Shohada Road, Al-Hamra Industrial Zone-FZ,
Ras Al-Khaimah, UAE
Email: info@pc-wc.com
Phone +971542455817, www.pc-wc.com



TECHNICAL DATA SHEET UPDATED IN
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TDS/PC-RUSTPROOF® R/20

All technical data in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

The information, particularly the recommendations relating to the application and end-use of PC-WC products, are given in good faith based on PC-WC's current knowledge and experience of the products when properly stored, handled and applied under normal conditions by PC-WC recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or any other advice offered. The user must test the product's suitability for the intended application and purpose. PC-WC Global FZ-LLC reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website www.pc-wc.com