

Product Data Sheet

PROTECTOLAST WS VCI

Corrosion Protection and/or Repairing of Wet or Dry Steel/Concrete

Up to 24 months of Protection

Local & International Technical Support

Simple Application and removal Process

Commercially Adaptable

Testing and Approved

User Friendly Forms





Protectolast WS VCI

Product Data Sheet



Product Overview

Introducing **Protectolast WS VCI**: a unique water-soluble powder designed to safeguard metal surfaces in enclosed spaces, self-seal systems, and after hydro tests. This specialized solution creates a protective layer on metals, effectively preventing corrosion in ferrous materials such as those found in oil and gas pipes.

Protectolast WS VCI stands out with its strong protective abilities. It easily spreads and adheres to metals, providing corrosion prevention. Crucially, it eliminates the need for forced drying after pressure tests, reducing the risk of issues like valve seizing and pipework blockages. Furthermore, **WS VCI** excels in safeguarding metals in hard-to-reach areas, making it particularly suited for dry corrosion protection in recessed spaces, interior cavities, and voids. Its versatility makes it a valuable asset across various industries.

Discover Protectolast WS VCI—your ally against corrosion's tyranny. Where there's metal, there's protection!

Technical Specifications

- **Appearance:** white crystalline powder
PH: 6.5-7.5 (aqueous solution).
- **Longevity:** Provides protection for up to 5 years, depending on conditions
- **Compatibility:** Ferrous metals, aluminum, Zinc



Key Features and Benefits

- Provides effective vapor-phase, liquid, and interface protection for ferrous metals.
- Offers more than 24 months of continuous protection.
- Completely water-soluble, making it suitable for adding to water during pressure testing.
- Available in user-friendly forms like powder, sleeve, and packets.
- Easily removable using Pressured Air or Water Flushing.
- Simple application and removal process; environmentally friendly and biodegradable, ensuring no pollution.
- Free from chromates and heavy metals, aligned with environmental concerns.
- Successfully passed SGS testing and complies with RoHS Directive.

Application

- Inner surfaces of tubular structures, pipes, and vessels.
- Internal surfaces and pipework of compressors, turbines, engines, tanks, boilers, heat exchangers, etc.
- Steam cooling pipes and closed-cycle heating and cooling systems.
- Tested structures' inner surfaces during and after hydro blasting and hydrostatic testing.
- Protection for machinery and spare parts during transport and storage.
- Cavities, apertures, holes, and casting bodies.
- Process pipework and vessels.
- Underside of above-ground storage tanks facing the soil.

Methods of Application

Application Method	Conditions	Dosage	Notes
Dry [Powder Form] - Spraying (Fogging)	Enclosed/ sealed systems	0.3Kg/m ³ - 0.5Kg/m ³	Use pressurized air spraying or sandblasting for large systems / structures.
Dry [Powder Form] - Sprinkling	Circular shaped surfaces	2.5Kg/m ² - 4.0Kg/m ²	Apply on average environmental conditions Increase dosage for severe conditions.
Wet Form – Hydrotesting (Diluted Solution)	Enclosed/ internal metal	15% additive to clean water	Diluted solution applied during hydrotesting, flush out after sealing. Increase dosage for severe conditions. Can be sprayed, brushed, or used for dipping.

Packing and Storage

Removal: Clearing residues in powder form is as easy as a breath of fresh air. Use pressurized air and pure rinsing water to restore surfaces. In liquid form, a rinse with pure water will suffice if necessary.

Packaging Options: Choose convenience that suits you best. Options include 3Kg sachets, 15Kg pails, 154kg drums, or customizable sizes.

Storage: Keep your investment safe and sound. Store indoors in a dry, sheltered space, keeping it shielded from direct sunlight and ensuring a temperature below 65 degrees Fahrenheit (18 degrees Celsius) to enjoy its effectiveness for up to 24 months.