



ECO FRIENDLY
SUSTAINABLE
BIODEGRADABLE



VBCI Series-A class of environmentally friendly corrosion inhibitors for a cleaner, greener, better tomorrow.

VBCI Coatings

Vapro VBCI-LTC

Solvent-Cut-Back Acrylic Coating

Passed German VIA (Vapour Inhibition Ability) Test TL 8135-002

Provides Long Term Anti-Corrosion for both Ferrous and Non-Ferrous in Desalination Plants and Oil Refineries



Introduction

Currently some three billion people – about 40% of the global population – live in water-scarce regions, with more than three quarters of a billion people without access to safe water. According to the United Nations, 1.8 billion people will be living in countries or regions with absolute water scarcity, and two-thirds of the world's population could be living under water-stressed conditions by 2025. Desalination is an established technology for delivering fresh water. In use for many decades, it has grown rapidly in response to population growth and higher living standards. Some 17,000 desalination plants around the world now supply 81 million cubic meters of fresh water every day. More than half of this global capacity is located in the Middle East. Saudi Arabia is the world's largest producer of desalinated water, supplying more than 70% of its urban requirements.

The high temperatures and high salinity in desalination plants produce extremely corrosive operating environments shortening the life-span of many equipment.

Due to high humidity and corrosive elements in the desalination plants, numerous water-based anti-corrosion coating failed within 3 months after application.

In view of the above Vapro VBCI-LTC was developed to replace the water-based coating to combat corrosion in desalination plants.



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Description

Corrosive elements such as sodium chloride, hydrogen sulphide, carbonic acid, moisture and other corrosive elements shorten the life span of equipment in desalination plants and oil refineries, despite of the extensive usage of water-based anti-corrosion coatings.

Vapro VBCI-LTC is a solvent-based acrylic coating specially developed to provide long term protection for equipment in desalination plants against corrosion.

It is a free-flowing colourless liquid developed to provides ease of inspection of the metal substrates protected.

Vapro VBCI-LTC is fortified with Vapro VBCI inhibitors that provide both contact and vapour phase corrosion inhibition.

It is a fast-drying coating works through a solvent-cut back mechanism, once it is dry the coating is resistant to moisture, temperature and corrosive elements attack, making it extremely useful to combat corrosion in desalination and refinery plants.

Advantages

- Fast-drying-minimizes downtime of shutting down equipment.
- Fortifies with Vapro VBCI Inhibitors - provides both contact and vapour corrosion inhibition.
- Resistant to moisture, temperature corrosive elements attack-making it suitable for use in desalination and refinery plants.
- Colourless Coating - allows ease of visual inspection of protected metal substrate.
- Durable coating- saves cost
- UV and Ozone Resistant- suitable for outdoor application.
- Resistant to chloride and hydrogen sulphide – suitable for use in desalination and oil refinery plants.
- Excellent Adhesion Properties- provides long term protection.

Specifications

Appearance

Free flowing liquid

Colour

Colourless

Solid Contents

20%

Specific Gravity

0.87

Flash Point

5°C

Viscosity

Slight viscous free flowing liquid

Areas of Use

Pipes, valves, flanges, equipment or any metal substrates that are exposed to corrosive elements.

Directions For Use

Remove all inherent flake rust by means of a wire brush, wipe clean and apply Vapro VBCI-LTC evenly on the metal substrate.

Ensure no naked flame or hot works during application.

Storage

Stored in cool sheltered environment

Packaging

20 liters or 200 litres Drum.

Magna

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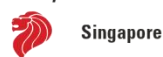
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