

# ANTI-RUST

**Winone**



**Corrosion  
Protection  
Coating**



**WINONE**  
Product Technologies

[www.winone.com](http://www.winone.com)

## Description

**F-10** is a one component Polyurethane based protective coating system with a unique organometallic ingredient. It has water clear transparent film and provides excellent corrosion protection to metals with minimal surface preparation. F-10 is manufactured using revolutionary polyurethane based technology which provides long term corrosion protection under wide temperature range.

## Salient Features

- **Outstanding Corrosion Protection:**

It is resistant to various substances and protects parts from corrosion and humid conditions. It resists salts, alkali, weak acids.

- **Excellent Adhesion:**

It strongly bonds to steel, aluminium, copper, brass, concrete, FRP and will not peel off from the substrate even in severe environment.

- **Good temperature resistance:**

It can withstand variations in temperature ranging from - 25°C to 130°C, the film does not crack or peel.

- **Excellent Anti-fungal properties:**

It is highly resistant to fungal and microbial attack.

- **Good Elasticity:**

It is very elastic and withstands expansion and contraction of the substrate without cracking

- **Excellent scratch resistance:**

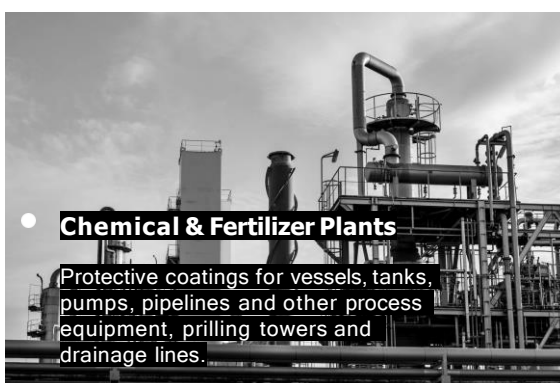
It withstands a high level of physical wear and tear, both during storage and shipment.

- **Good Aesthetics:**

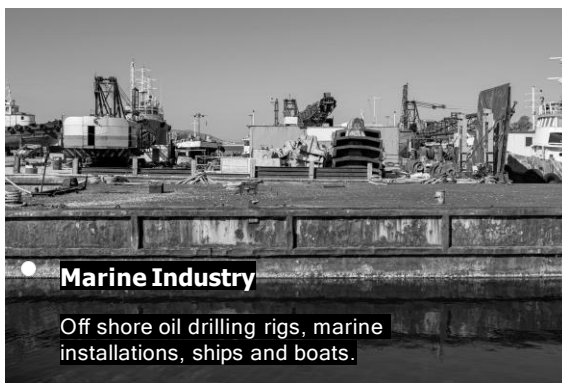
It comes in a smooth glossy or matt finish.

- **Fast drying and can be air cured**

## Uses / Applications







### • Marine Industry

Off shore oil drilling rigs, marine installations, ships and boats.



### • Paper & Sugar Industry

Concrete tanks used for storage of paper pulp, molasses tanks and steel structures.



### • Machinery Protection

Textile and Printing Machinery, heavy machinery, cranes, earth moving equipment, cement mixers, tractors, etc.

- Electroplating Plants, Metal Furniture & Equipment, T.V. & Microwave Transmission Towers
- Wooden Furniture and Articles
- Waterproof and scratch resistant decorative coatings.

## Applications

**SURFACE PREPARATION** (if required): The surface is cleaned of oil, dirt and grease by means of solvents or emulsifiers. If present then rust and scales are removed by mechanical means like scrapping, wire brushing and rubbing with emery paper. If required chemical methods using phosphating chemicals, rust convertors, etc. may also be used.

**Single coat:** Since this material is 1-k, i.e. a single component, ready to use you can directly apply on your desired substrate with a brush or a roller or by spraying, to a DFT of 75 to 90 microns.

## Storage & Precautions

F - 10 should be stored in a cool and dry area. It can be stored for 6 months in its original, unopened container. Material from tin cans should be completely used up immediately after opening the can. Metal drums should be re-closed immediately after use. F - 10 may cause irritation to eyes, skin and mucous membrane, and is harmful if swallowed. While handling, all contact with eyes, skin and clothes should be avoided. Implements used for application of F - 10 should be cleaned with Xylene or Toluene.

F - 10 formulations are subject to strict quality control, innovations and improvements to comply with our high standards. The above information is given on the basis of our best knowledge and information and is for your guidance only. Specifications, however, are subject to change and no guarantee is given or implied.

## Properties

Test results obtained by immersing steel panels coated with F - 10 in chemical for 7/14 days (Test carried out by Dept. of Chemical Technology, University of Bombay).

## Physical Properties

Colour	:	Transparent, clear, water-like.
Mixing Ratio	:	None, since it's a single component.
Touch Dry Time	:	30 minutes at 25°C
Full Curing Period	:	2-3 hours
Coverage	:	100 sq.ft/kg/coat
Dry Film Thickness	:	75 -90 microns/coat
Scratch Hardness	:	Above 3000 gm
Temperature Range	:	-25°C to 130°C
Abrasion Resistance	:	0.08gm/1000 cycles at 1 kg load
Shelf Life	:	6 months
Packing Size	:	5 kg, 10 kg and 20 kg.

## Disclaimer

All the information provided herein is supposed to be accurate & reliable and is solely for the user's consideration, investigation and verification. The information is not to be taken as an express or implied representation or warranty for which assume legal responsibility. Any warranties, including warranties of merchantability or non-infringement of intellectual property rights of third parties, are herewith expressly excluded.

Since the user product formulations, application and conditions of use are beyond the control of us , makes no warranty or representation regarding the results which may be obtained by the user.it shall be the responsibility of the user to determine the suitability of any of the product mentioned for user's specific application.

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We focus on solving pain area of the Industry, and make tailor made solutions for absolutely any problems. Contact us to gain advantage of our expertise in Coatings and Performance enhancing Nano-technology.

LEVERAGE OUR EXPERTISE . . .

Winone Product Technologies Pvt. Ltd.

Near Westend Mall, Aundh, Pune, Maharashtra, India

+91 8551019161, +91 9325517175

[www.winone.in](http://www.winone.in) | [sales@winsonprotech.com](mailto:sales@winsonprotech.com)



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