



STARCOAT-FRP®

(Chlorinate Zinc Chromate Anti-Corrosive Coating)

Description

STARCOAT-FRP is a single component, high build anticorrosive chlorinated rubber suitably plasticized primer and coating. It is highly corrosion resistant, fast drying CR primer. This product has excellent adhesion properties with good impact resistance. It can be used as a part of a system comprising a primer or top coat in areas exposed to atmospheric corrosion. These properties allow STARCOAT-FRP to be used in a wide variety of industrial applications.

Advantages

- Excellent Anti-corrosive Property
- Water resistant
- Excellent Heat Resistance
- Chemical resistance
- Excellent impact & abrasion resistance
- Very easy application by brush & roller
- Fast Drying
- Suitable for metal and concrete

Uses

Suitable for use in both new structure and as an overcoat in industrial maintenance. It can be used in a wide variety of environments including offshore structures, petrochemical & chemical complexes, storage tanks & pipelines, fertilizers industries, bridges, pulp and paper mills and in the power industry.

SPECIFIC TECHNICAL DATA

Properties	Result
Base	CR
Colour	Green/Red/Yellow/White
No of Components	One
Physical form:	Liquid
Solvent	Hydro Carbon
Specific Gravity	1.26±0.10 kg/Litre
Solids Content	45±2 %
Viscosity	13000-16000 cps
Density	1.3±0.2
Flash Point	-22°C
Drying Time	15 to 20 Minutes
Service Temperature:	Minus 20°C to 45°C
Coverage Range	3 to 3.5m ² with two coats
DFT	700 to 900 microns
Water & Chemical Resistance	Excellent
Heat Resistance	120°C
Complete Drying	Hard Dry 8 hours & Full Cure 24 Hours

Surface Preparation

All surfaces shall be free of loose rust, mill scale and contaminations such as soil, grease, dirt and salts. Before any surface preparation is attempted, oil and grease must be removed by suitable means or any solvent cleaning. Use commercial blast cleaning in case of heavy corrosion to remove mill scale, rust and other contaminants and leave roughened surface.

Concrete and Masonry

Remove all loose particles, oil, grease, form release agents and any other contaminants. New concrete and masonry must be allowed to cure for a minimum of 24 hours before.

Application Method

Generally STARCOAT-FRP is best applied by brush, spray and roller. Due to the rapid dry of this coating, areas may be coated by brush, applicator pad, or roller. Care must be taken to achieve the specified wet and dry film thicknesses. Uniform, even coats must be obtained. Large horizontal surfaces should be spray applied, however roller and brush application can be performed.

Application mood

Spray-Use airless spray or conventional spray.

Brush-Recommended for all areas, care must be taken to achieve the specified DFT.

Mixing

This is a single component product is mixed thoroughly till homogenous mixing. If the settling is observed, loosen the settled material with help of hand stirrer followed by power driven stirrer. For best results, use a spiral mixing blade and variable speed (400-600rpm).

Coverage

The coverage of STARCOAT-FRP may vary and depending upon surface condition but STARCOAT-FRP will give you approximate 3.5m² per litre with two coats.

Storage & Shelflife

Store under cover, protect from direct sunlight and high temperature (>25 C). Shelf life is up to 12 months in unopened container when stored as directed.

Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. Please follow the petroleum regulation and law of the land.

Cleaning

Clean all the tools with aromatic solvent.

Packing

STARCOAT-FRP in 20 & 50kg Plastic pail

Health & Safety

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

Inhalation

Inhalation of vapor or mist should be avoided.

Symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

Eye contact

Flush eyes with water for 15 minutes and call for medical help.

Ingestion

Causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

Skin Contact

Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

Warranty

All information is given in good faith on the result gained from experience and test. However, all recommendation or suggestions are made without guarantee since manufacturer do not have any control on site conditions and its uses

Suggested Specification

All pipes supports, hangers, etc., shall be given three coats of red oxide STARCOAT-FRP to provide Anti-corrosive coating as per ASTM D 1654 and pull of strength as per ASTM-D4541