



TECHNICAL DATA SHEET

STARCOAT-CRC

(Fire Retardant Metal Coating)

Confirm to BS 476 120 Minutes fire resistance

DESCRIPTION

STARCOAT-CRC is a single component, high build, chlorosulphonated rubber based, suitably plasticized self priming and top coat of various metals, wood and concrete. It is highly corrosion resistant, fast drying self primer and fire retardant coating. 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-CRC** to be used in a wide variety of industrial applications.

USES

Suitable for use in both old and new steel structure. It can be used as a top coat including kitchen and ventilation duct, offshore structures, petrochemical & chemical complexes, pipelines, fertilizers industries, MS. bridges, and power Industry etc.

ADVANTAGES.

- Excellent Anti-corrosive property.
- Fire Retardant
- Water resistant
- Excellent heat resistance
- Chemical resistance
- Excellent impact & abrasion resistance
- Very easy application by brush & roller
- Fast drying
- Suitable for metal and concrete

SURFACE PREPARATION

Metal

All surfaces shall be free of loose rust, mill scale and contaminants such as oil, 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 a 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 30days. Before painting, roughen the surface by abrasive blasting, acid etching or scarifying. The surface should be clean, dry and free from oil, grease and loose particles

METHOD OF APPLICATION

Generally **STARCOAT-CRC** is best applied by brush 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 at a variable speed (400-600 rpm).

COVERAGE

The coverage of **STARCOAT-CRC** may vary and depending upon surface condition, but **STARCOAT-CRC** will give you approximate 7-9 m² per kg

CAUTION: Adequate ventilation must be maintained, particularly in confined spaces, due to volatile in nature.

STORAGE & SHELF LIFE

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-CRC in 20 kg 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.

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 manufacturers do not have any control on site conditions and its uses.

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

TECHNICAL DATA

Medium	Solvent
Color	White and grey
Solid	45% ± 2
Viscosity	13000-16000 cps
Density	1.3
Flash point	-22 °C
Application Temp.	-5 °C to + 45°C
Heat resistance	700 °C
Hard dry	8 hours
Full cure	7 days
Drying	Touch dry 15-20 min.
DFT per coat	40-50 micron
No. of coat	3 to 4
Water & chemical resistance	Excellent
Pull off strength	38 Mpa as per ASTM D4541
Impact resistance	No loss of adhesion as per ASTM D2794
Corrosion resistance rating	9 as per ASTM D1654
Fire Resistive Grease GI Duct Enclosure System	ASTM E-2336 Up to 927 °C

PARAMOUNT POLYTREAT CHEMICALS PVT. LTD.