

APCODUR RUST O CAP 5100

Surface Tolerance Epoxy Primer Cum Undercoat



PRODUCT DESCRIPTION

A high solids high build low voc self-priming anticorrosive epoxy coating which can be applied to galvanized steel and old or new steel following the removal of loose rust and scale.

- Can be applied over most existing coatings systems including aged alkyd systems.
- Can be easily recoated if required.

FEATURES AND RECOMMENDED USE

- As a chemically resistant finish for process equipment, pipe work etc.
- As a general maintenance coating for onshore and offshore installations.
- Suitable as surface tolerance primer for up to C5 Environment as per ISO12944 Part 2 along with suitable topcoats.

TECHNICAL DATA

VOLUME SOLIDS (Based on ASTM D2697)	80 % ± 2 %
TYPICAL DRY FILM THICKNESS	150-250 microns
WET FILM THICKNESS	187-315 microns
THEORETICAL COVERAGE	3.2 to 5.33 m ² /litre
VOC "As Supplied" (Based on ASTM D3960)	162 gms/ltr
COLOUR	Grey & Limited Industrial colors
FINISH	Low sheen

DIRECTION FOR USE

- **Surface Preparation**
- The lifespan and performance of this coating is directly related to the degree of surface preparation
- Remove all wax, oil and grease by solvent cleaning in accordance with the guidelines given by SSPC-SPI.
- Soluble salts, dirt and dust must be removed prior to coating. Dry brushing should be sufficient. A freshwater wash must follow to remove all soluble salts.
- Remove scale by chipping, needle gun or spot blasting. Any loose or flaking coatings should be taken back to a firm edge.
- Mechanically clean the surface using hand or power tools to a minimum standard of St 2 Swedish Standard SIS 05 59 00 or ISO 8501-1: 1988 taking care to avoid polishing the surface.
- Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface

Application Conditions:

- Substrate temperature should be at least 3°C above dew point but not above 50°C.
- Relative humidity should be below 85%.
- Good ventilation is required in confined areas to ensure proper curing.

PRODUCT USE RESTRICTIONS

- This product is designed as a primer cum intermediate.
- Can be recoated with variety of single pack or two pack finishes.
- Dry heat resistance up to 120°C.
- As common with all Epoxy products, this product also will tend to discolor and chalk on exposure to direct sunlight.
- May also be applied between 100- and 250-Microns DFT.
- . Contact Asian Paints Representative for suggesting suitable paint system.

Application:

METHOD OF APPLICATION:

AIRLESS SPRAY	This is the recommended method of application: Maximum 5% Thinner may be added. Tip Size: 0.48 - 0.58 mm (0.019 - 0.023 in) for Glass flake suitable tip size is 0.023 or more Pressure: 110 - 160 kg/cm ² (1600 – 2300 psi)
CONVENTIONAL SPRAY	Maximum 20% Thinner may be added Tip Size: 1.80 - 2.20 mm (0.071 - 0.087 in) Pressure: 2.75 - 3.45 kg/cm ² (40 - 50 psi)
BRUSH OR ROLLER	May be used for difficult shapes or touch-up. However, additional coats may be required to achieve the recommended film thickness.

DRYING TIME:

Surface Temperature	Touch Dry	Hard Dry	Re coating Interval		Pot Life
			Minimum	Maximum	
25°C	4 Hrs	10 Hrs	8 Hrs	Indefinite	4 Hrs
35°C	2 Hrs	5 Hrs	4 Hrs	Indefinite	2 Hrs
45°C	1 Hrs	4 Hrs	3 Hrs	Indefinite	1½ Hrs

NO. OF COMPONENTS	Two
Mixing Ratio	1 parts Base to 1-part Hardener (by volume)
Application Conditions	Do not apply this product if the Relative Humidity exceeds 85% or if the substrate temperature is within 3°C of the dew point

Cleaning:

- Do not allow the product to remain in hoses, gun, or spray equipment. Clean all equipment's immediately after use with Thinner T 141. It is recommended to periodically flush out spray equipment during the course of the working day. The frequency of cleaning will depend on amount sprayed, temperature and time gap.
- All surplus material and empty containers should be disposed of in accordance with appropriate regional legislation

ADDITIONAL INFORMATION

Thinner / Cleaning solvent	Thinner -141
Storage Instruction	Store in a cool shaded dry area
Flash Point	Mixed 36°C
Packaging	8 litres & 20 litres
Shelf Life	12 months from the date of manufacture.

FIRST AID:

- Eyes: In the event of accidental splashes, flush eyes with water immediately and obtain medical advice
- Skin: Wash skin thoroughly with soap and water or approved industrial cleaner.
- DO NOT USE solvent or thinners.
- Inhalation: Remove to fresh air, loosen collar and keep patient rested.
- Ingestion: In case of accidental ingestion, DO NOT INDUCE VOMITING.
Obtain immediate medical attention

SAFETY INFORMATION

- Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use a barrier cream.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapor or spray.
- This product is flammable. Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharge. In case of fire – blanket flames with foam, carbon dioxide or dry chemicals
- Refer to MSDS for further information.

Disclaimer:

To the best of our knowledge the information provided herein are true and accurate at the date of issuance. Since we have no control over the quality or condition of the substrate or the various factors affecting the use and application of the product, we do not accept any responsibility or liability arising out of use of the product. The company reserves the right to modify data contained herein without prior notice. Any change in data would normally be followed by issue of a new datasheet. The user should check with the nearest sales office of the company and confirm the validity of the information, prior to using the product.

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