



Polymers... beyond imagination

High Performance Surface coatings

ANTICOR CRC

Product description

ANTICOR-CRC is a SINGLE-PACK, chemical resistant, high performance GRAFTED COPOLYMER based finish coat which may be applied to the substrates needing resistance to corrosive chemicals in varied climatic conditions.

Recommended use

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Product Highlights

- ❖ Excellent Corrosion Resistant
- ❖ Quick Drying
- ❖ Excellent Resistance to Abrasion
- ❖ Excellent Resistance to Acids and Alkalis
- ❖ Excellent Resistance to Oils at elevated temperatures.
- ❖ Excellent Outdoor Stability

Film thickness and spreading rate

Film thickness, dry (μm) (DFT) 40 –45 Microns per coat (Rec. 2 Coats)
Theoretical spreading rate (m^2/l) 8.0

Physical properties

Colour - As per standard RAL and IS shades
Solids (vol %) - 35 \pm 5
Flash point - >25°C
VOC - 220 gms per ltr USA-EPA Method 24



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Performance Properties

Sr. No.	Performance Test	ASTM STD.	ACTUAL
01	Scratch Hardness (4.7 KG)	D – 7027	No Exposure of Metal Substrate Passes the Test
02	Conical mandrel (4 mm)	D – 522	No film cracking or crazing
03	Adhesion	D – 3359	No Peel-Off
04	Salt Spray Resistance 1000 HRS (At 80 Microns DFT)	B - 117	No Surface Deterioration & corrosion.
05	Thermal Stability at 200 ⁰ C for 24 Hrs	D – 2243	No effect on coating surface.
06	Resistance to 30% HCl Resistance to 50% NaOH	Immersion test	No effect on coating surface
07	Resistance to hot water (up to 60 ⁰ C)	Immersion test	No effect on coating surface
08	UV stability	ASTM D4587-05	Passes
09	Water resistance	Immersion test	No effect on coating surface

Surface preparation

All surfaces should be clean, dry and free from contamination. The surface should be assessed and treated in accordance with ISO 8504. Bare steel Cleanliness: Blast-cleaning to Sa 2½ (ISO-8501-1:2007). Power tool cleaning to min. St 2 (ISO 8501-1:2007) may be acceptable, subject to exposure conditions. Blast Cleaning should be done after solvent wipe (SSPC SP1) to ensure removal of all dust, dirt, oil, grease, etc.

Surface Conditions

Temperature of the substrate– Minimum 3°C above the dew point of the air temperature



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Relative humidity – Maximum 50 % measured in the vicinity of the substrate.

Ventilation - Good ventilation is required in confined areas to ensure proper drying.

Do not use heated air until the solvents (Thinner) have evaporated (flushed off) from the paint film to avoid surface drying and solvent entrapment. During application and the initial drying of the coating, the object should not be exposed to high humidity as this can result in loss of gloss.

Application methods

Spray -Use Airless Spray or Air Assisted Spray

Brush- Recommended for stripe coating and small areas, care must be taken to achieve the specified dry film thickness.

Roller- May be used for small areas, however when using roller application care must be taken to apply sufficient material in order to achieve the specified dry film thickness.

Application data

Mixing ratio - Single Pack System.(No Mixing of Two Components)

Pot life - Not Applicable. No Pot Life (Can be used for six months after opening the Container) Viscosity if needed can be adjusted with ANTICOR special solvent

THINNER-03

Guiding data Airless Spray

Pressure at nozzle- 15 MPa (150 kg/cm², 2100 psi)

Nozzle tip - 0.43-0.79 mm (0.017-0.031") Suitable

Spray angle - 40-80°

Filter Check to ensure that filters are clean.

Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with: * Good ventilation (Outdoor exposure or free circulation of air) *

Substrate temperature	-10°C	0°C	10°C	23°C	40°C
Surface dry (dry to handle)	30 min	25min	20 min	15 min	10 min
Hard dry	24 hours				
Dry to recoat, minimum	30 minutes minimum (for testing purpose- 7 days)				



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Typical paint system

Inside Walls of Transformer tanks

ANTICOR-CRC - 2 x 45 µm (Dry Film Thickness)

Add special thinner THINNER SK-13 to reduce the viscosity for Air Assisted spray application.

Other systems may be specified, depending on area of use

Storage

The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat and ignition. Containers must be kept tightly closed.

Best Use Time

If stored below 25°C in the recommended condition, the product remains usable for 12 months.

Handling the Containers

Handle with care. Stir well before use.

Packing size

20 liters Metal Containers

Health and safety

Please observe the precautionary notices displayed on the container & in our MSDS. Use under well ventilated conditions. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

Disclaimer

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product can be used under conditions beyond our control, we can only guarantee the quality of the product itself. We also reserve the right to change the given data without notice. Minor product variations may be implemented in order to comply with local requirements.

ISSUED ON 26 JULY 2013 BY SK FORMULATIONS INDIA PVT.LTD.

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