

CORRONIL – 0767 (ANTI-CORROSION COATING)

PRODUCT DESCRIPTION

CORRONIL – 0767 is an Environment Friendly, Sustainable, High-Performance Coating using water based Patented Grafted Co-Polymer Technology.

CORRONIL-0767 is a unique formulation specifically designed for targeted use in aggressive environmental situations. It is suitable for application on Steel & Concrete individually or in combination with various systems. This system gives excellent corrosion protection with superior aesthetic finish.

CORRONIL-0767 offers excellent Aging & Weathering resistance coupled with resistance to Chemicals & Saline environment.

PRODUCT HIGHLIGHTS

- Single Pack System
- Quick drying at Ambient Temperature
- Excellent Corrosion Resistance
- Robust Outdoor Stability
- Sustained Resistance to UV Radiation
- Prolonged Resistance to Chemicals.
- Very Good Heat Dissipation Properties

GREEN FEATURES

- Zero VOC
- No Odour
- No Fumes
- Non-Toxic- RoHS Compliant
- Energy Saving

APPLICATION SUBSTRATES

- Carbon Steel
- Stainless Steel
- Non-Ferrous Metals
- Alloys
- Concrete Surfaces

SURFACE PREPARATION

Metallic Surface- Apply to blast cleaned surfaces.

- a) Brush away loose contamination and de-grease with a rag soaked in solvent like MEK.
- b) Select an abrasive to give the necessary standard of cleanliness.
- c) Blast clean the metal surface to achieve the following standards of cleanliness:
 - ISO-8501-1 Sa 2 ½ very thorough blast cleaning
 - American Standard near white finish SSPC SP10
 - Swedish Standard Sa 2 ½ SIS 05 5900.



d) After blasting, the metal surface should be coated before any oxidation. Metal surfaces that have been immersed for any periods in salt solutions e.g. sea water, should be blasted to the required standard and left for 24 hours to allow any ingrained salts to sweat to the surface. The surface should then be washed prior to further brush blast to remove these impurities.

FILM THICKNESS & SPREADING RATE

Film Thickness - 45 –50 Microns/ Coat
Theoretical Spreading Rate - 10 m² per Kg/Coat

CURING TIME

Substrate Temperature	-10°C	0°C	10°C	23°C	40°C
Touch Dry (Minutes)	60	50	40	30	15
Dryness for Recoating (Minutes)	60	60	60	30	30
Hard Dry / Complete Cure	24 Hours				

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)

APPLICATION METHODS

Spray -Use Airless Spray or Air Assisted Spray

Brush- Care must be taken to achieve the specified Dry Film Thickness

Roller- Care must be taken to apply sufficient material in order to achieve the specified Dry Film Thickness

APPLICATION DATA

Mixing Ratio - Single Pack System, Ready to Use
Pot Life - Not Applicable.

APPLICATION GUIDELINES (AIRLESS SPRAY)

Pressure at Nozzle - 15 MPa (150 kg/cm², 2100 psi)
Nozzle Tip - 0.43-0.79 mm (0.017-0.031")
Spray Angle - 40-80°

*Filter Check to ensure that filters are clean.

APPLICATION PROCEDURE

- i) Open the lid and stir the contents slowly
- ii) Do not mix Water or Solvent in the coating
- iii) Apply first coat on well prepared surface uniformly, to build DFT of 45 to 50 Microns
- iv) Allow to dry for 30 minutes & ensure surface is tack free
- v) Apply second coat to build total DFT of 90 to 100 Microns.



TEST PARAMETERS

SR.NO.	PERFORMANCE TEST	ASTM STD.	RESULT
1.	Scratch Resistance (4.2 Kg)	D-7027	No exposure of Metal Substrate Passes the Test
2.	Flexibility Test Conical Mandrel (3 mm)	D-522	No film Cracking / Crazing
3.	Pull Off Adhesion	D-4541	5.56 N/mm ²
4.	Salt Spray Resistance Test 1000 Hrs. (At 80 Microns DFT)	BS-117	No Surface Deterioration & Corrosion
5.	Elongation Tensile Strength	D-638	530% 5.82 N/mm ²
6.	Water Vapour Permeability	D-1653-13	9 mg / m ² / 24 Hrs

PACKING

5/ 10/ 20 Kg Plastic Pails

AVAILABILITY

Available through a network of Distributors/Channel Partners throughout the world for prompt delivery to customers.

TECHNICAL ASSISTANCE

Complete technical assistance is available and includes fully trained technical service personnel.

HEALTHY AND SAFETY

Prior to start of use of this material, please read the Material Safety Data Sheet (MSDS)

WARRANTY






GSCPL guarantees that the products are carefully manufactured to ensure the highest quality and are tested strictly in accordance with acceptable standards.

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 03/02/2021 (February 3, 2021) by Greenovoc Specialty Coatings Pvt. Ltd.

This Data Sheet supersedes those previously issued.

 Green Coating Technology	 VOC Free	 No Odour	 No Fumes	 Environment Friendly
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