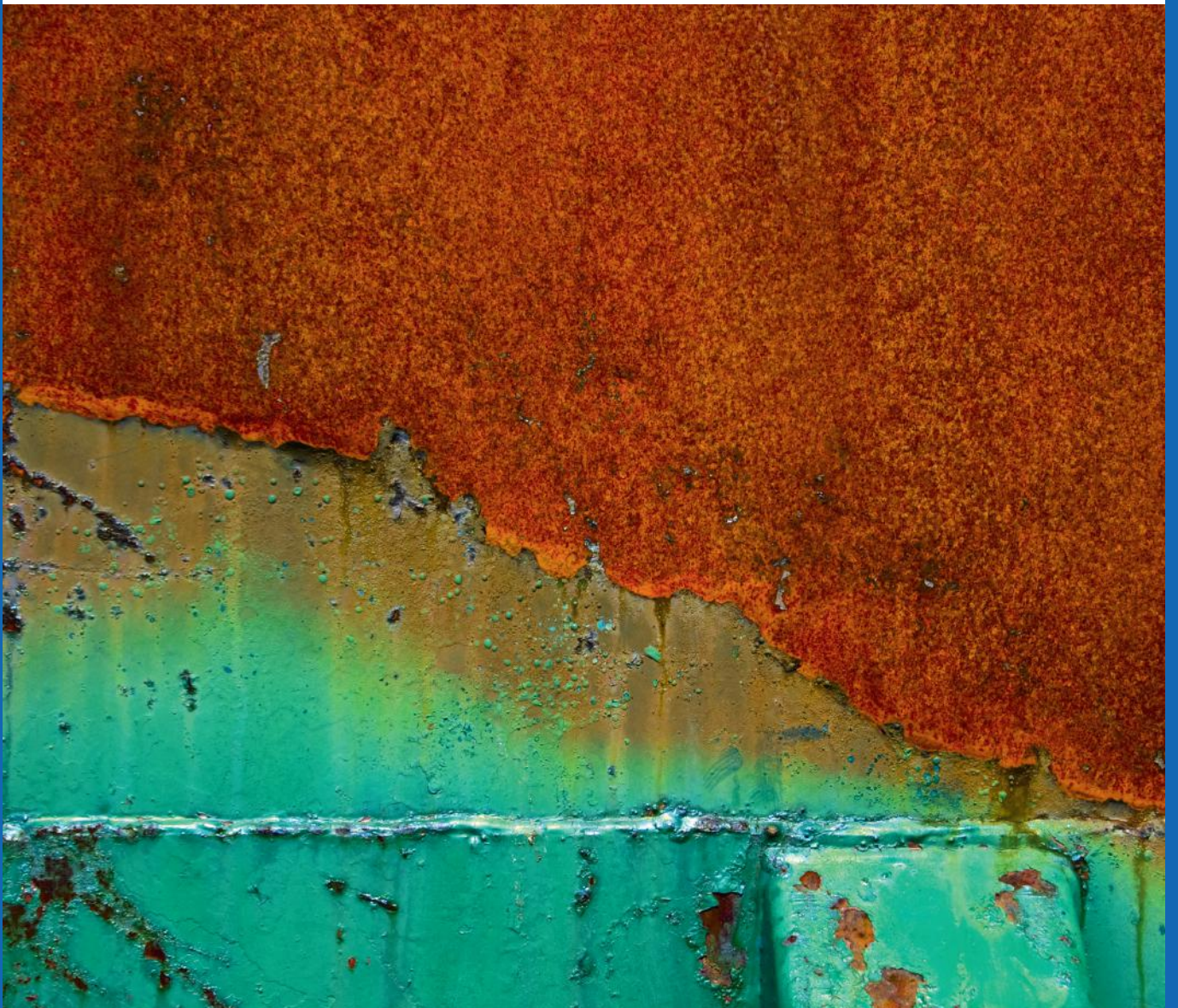


SINCE 1974

Rapid Coat
POWDER COATINGS

ZINC RICH EPOXY PRIMER POWDER COATINGS



Overview

It is a specially formulated Zinc rich epoxy primer that is intended to be used as a base coat to provide excellent corrosion resistance. The base coat is designed to adhere very well with a polyester powder coatings top coat to provide the mechanical, aesthetic and UV protection required for the article. In doing so, the coated article exhibits both outdoor durability as well as corrosion resistance.

Applications

Fences & Stadium Seats, Transmission Towers, Farm Equipment & Machinery, Transformers, Chemical Handling Equipment, Auto Components & Wheels, Generator Canopies, Outdoor Furniture, Architectural Steel

Benefits

- Exceptional Corrosion Resistance
- Good Edge Coverage
- Good Adhesion with Top Coat
- Prevent Flash Rust

What is corrosion?

Corrosion is a dangerous and extremely costly problem. It is the gradual destruction of materials (usually metals) by chemical and/or electrochemical reaction with their environment.

Application of Powders

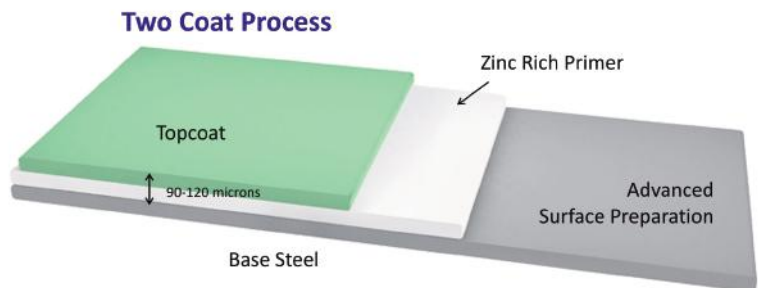
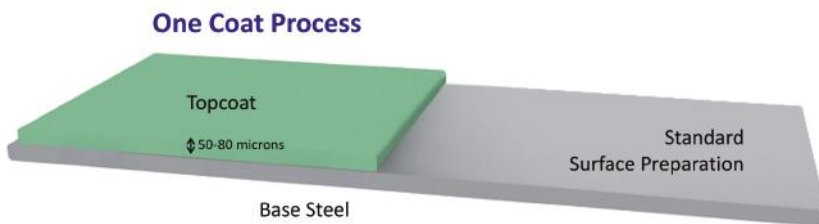
Base Coat		Top Coat	
Gun Voltage	60-80 kV	Gun Voltage	40-60 kV
Pre Gelling	180°C/3-4 Minutes	Curing Temp.	200°C/10-12 Minutes
Coating Thickness	40±10µ	Coating Thickness	60±10µ

Factors Affecting Corrosion

Nature of Metal	Nature of Corroding Environment
Purity of Metal	Temperature & Humidity
Physical State of Metal	Effect Of pH
Nature of Oxide Film	Presence of impurities in atmosphere
Relative Area of Cathode & Anode	Solubility of product of corrosion

As per BS EN ISO 12944-2, the atmospheric environments are classified into six atmospheric-corrosivity categories as shown below

Category (Low to High)	Areas
C1 Very Low	Heated buildings with clean atmospheres e.g. offices, shops, schools, hotels
C2 Low	Atmospheres with low level of pollution, where condensation may occur e.g. depots, sports halls.
C3 Medium	Urban & Industrial atmosphere with high humidity and some air pollution e.g. food processing plant, laundries, breweries, dairies.
C4 High	Industrial Area and coastal Area with moderate salinity.
C5-I Very High Industrial	Industrial area with almost permanent humidity, condensation and high pollution.
C5-M Marine	Coastal area with permanent condensation and high pollution with high salinity.



Testing panel images after 2000 hrs Salt Spray Test



This unique thermoset epoxy technology incorporates a well-known corrosion inhibitor that works by sacrificing itself to protect the metal substrate.

ABOUT US

Rapid Engineering Co. Pvt. Ltd. started operations in **1974** and primarily produces thermoplastic and thermosetting powder coatings. The company has **two plants located in Sahibabad, Uttar Pradesh and Noida, Uttar Pradesh, India.**

In addition, the company has warehouses cum sales offices in **New Delhi, Mumbai, Pune & Bangalore.** The company is also exporting its products to 35+ countries worldwide. Rapid Engineering has been awarded the '**Recognized One Star Export House**' certificate by the Government of India in recognition of its exports track record.

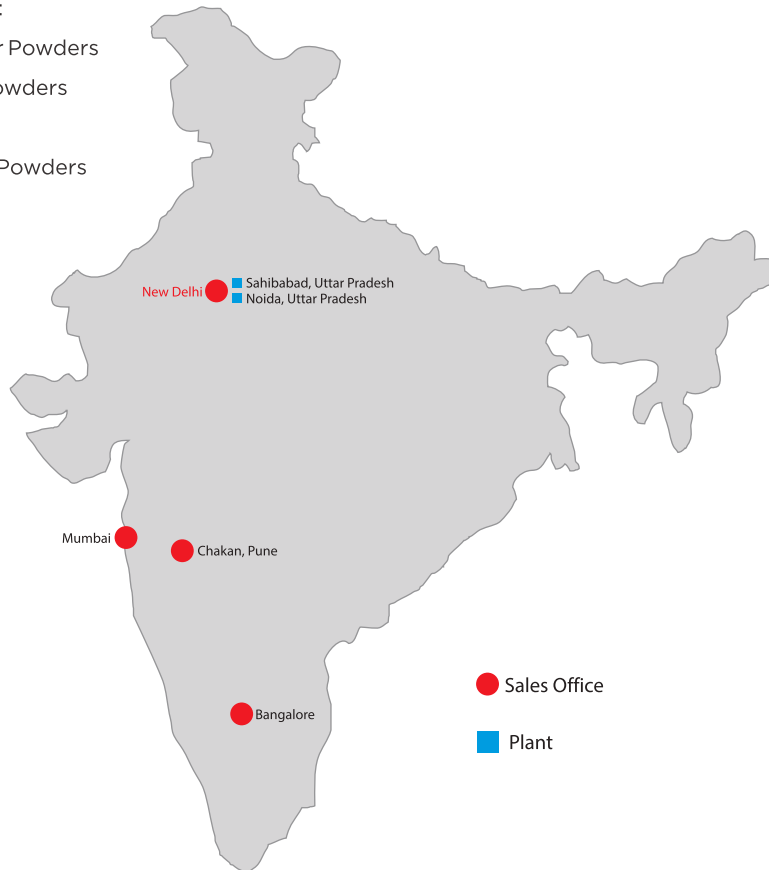
Since 2001 the company is ISO certified and is currently compliant with **ISO 9001:2015 Quality Certificate No. TUV99 100 16731 from TUV SUD Management Services GMBH.**

Rapid's Powders are **Qualicoat, Switzerland: Class 1 and Class 2 approved. Class 1 Approval No. P-1419: Class 2 Approval No. P-1504:**

In 2019, Rapid Polymers (A Division of Rapid Engineering Co. Pvt. Ltd.) was formed to manufacture plastic masterbatches and cryogenically pulverised plastic powders.

Rapid's range of products includes:

1. Thermosetting Epoxy / Polyester Powders
2. Thermoplastic Plastic Coating Powders
3. Plastic Masterbatches
4. Cryogenically Pulverised Plastic Powders



Rapid Coat
POWDER COATINGS



Plant & Corporate Office

Plant 1

A-11/1, Site-IV
Madan Mohan Malviya Marg,
Sahibabad
U.P. - 201010, INDIA
Tel.: +91 120 4041600
Cell.: +91 9654292962
Email: mail@rapidcoat.com

Plant 2

C-54, Phase-II
Gautam Buddha Nagar, Noida
U.P. -201305, INDIA
Tel.: +91 120 4041614
Cell.: +91 8929078177-8178
Email: mail@rapidpolymers.com

New Delhi (Okhla)

111-112, DSIIIDC, Phase1,
Okhla, New Delhi - 110020
Tel.: +91 11 26813344
Cell.: +91 9654292961
Email: delhi@rapidcoat.com

Mumbai

Plot No.3, Sag Baug, A.K. Road
Andheri (East), Mumbai-400059
Tel.: +91 22 28508438, 28508775
Cell.: +91 7506190193
Email: mumbai@rapidcoat.com

Pune (Chakan)

Gat No. 153/1U, Mahalunge,
Talegoan Road,
Chakan, Pune - 410501
Cell.: +91 7506190192, 7506161650
Email: pune@rapidcoat.com

Bengaluru

Survey No. 155, Attibele Industrial
Area, Bengaluru -560107
Tel.: +91 8027820123
Cell.: +91 8929078180
Email: bangalore@rapidcoat.com

International Sales

Tel.: +91 120 4041670
Cell.: +91 9654292970
SKYPE: rapidcoat
Email: exports@rapidcoat.com

www.rapidcoat.com