

# ENVIROCOAT POWDERS PVT. LTD.

HO : Plot No. 288, Sector 7, MIDC, Bhosari, Pune - 411026

WORKS : C-99, STICE, Musalgaon, Sinner, Nashik - 422112

CIN No. : U74994PN2018PTC175918

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## TECHNICAL DATA SHEET

### Antimicrobial / Antifungal Powder Coating

#### INTRODUCTION

Antimicrobial powder coating destroys microbes upon contact & prevents the spread of dangerous micro-organisms to provide long term protection against the growth of microorganisms in a wide range of applications.

This products are thermosetting powder coatings with inbuilt Antimicrobial property which are available in all resins, finishes in wide range of colour & shades and can be applied to ferrous and non-ferrous substrates.

#### APPLICATION

- Home appliances
- Utensils
- Food container
- Fitness equipment
- Restroom accessories
- Hospital beds & testing machinery

#### POWDER PROPERTIES

Sr. No.	Properties	Specification
01	Shade	As Per Std.
02	Appearance	Free flowing Powder
03	Specific Gravity ASTM-D-153	1.50 to 1.80
04	Storage	Dry cool condition (below 30 deg.C.)
05	Shelf life	6 months (<30°C)
6	Substrate	0.8 mm CRCA Phosphated
7	Method of Application	Electrostatic Spray 60 – 90 KV
8	Baking Schedule EMT	180 Deg Cent. /15 Epoxy & Epoxy-Polyester coatings 200 Deg Cent./15 Polyester & Polyurethane coatings
9	Impact Test Kgcm ASTM 2794-69 Direct/ Indirect	60 minimum
10	DFT	50-70 Micron
11	Flexibility @ 6.25 mm ASTM-D-522	No cracks on film
12	Adhesion Test ASTM-D-3359	GT - 0
13	Humidity Test, 95% Rh 500 Hrs	No blistering /rusting & loss of Adhesion
14	Salt Spray Resistant ASTM-B-117	To pass 500 Hrs.

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### **PRE-TREATMENT**

All substrates are to be cleaned & should be free from grease, oil & dust. A suitable chromate conversion coating is recommended for Aluminum substrate. Passivated Zinc phosphate coating is recommended for steel substrate. for better results Sand Blasting / Grit blasting to at least SA 2.5 followed by passivated tri-cationic phosphating process with coating weight of 2-3 gm/sq.mt is recommend.

### **SHELF LIFE AND STORAGE**

Shelf life of six months from the date of manufacturing, if stored in closed store in dry & cool atmosphere below 30°C & 60% RH throughout the period.

The cartons should be stacked 1+4 high. Avoid exposure to direct sunlight, heat and high humidity. Partly used material must be tightly closed after each removal and stored carefully inside the carton to avoid contamination & absorption of moisture.

### **SAFETY INFORMATION**

Please refer Material Safety Data Sheet prior to using the product