

# 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

### PRODUCT NAME: ENVIROCOAT ELECTRICAL INSULATION COATING

#### PRODUCT DESCRIPTION

It is thermosetting powder coatings based on special epoxy resins with smooth finish which are available in smooth glossy, semi glossy and matt finish in wide range of colour and shades.

The coating exhibit:

- Superior mechanical properties
- Excellent flow & cut-through resistance
- Low moisture absorbing material for stable inductance values
- Excellent adhesion to CRS ,Copper and Aluminium resulting in superior mechanical properties
- High film build up in single coat
- High service temperature
- Not exposure to direct sunlight

#### APPLICATIONS

- To insulate new and old poles for street lighting and low voltage distribution
- To protect busbars, electric poles, control panels and more
- To avoid electrical mishaps due to leakage current and tracking

#### PRODUCT SPECIFICATION

- Shade : As per std.
- Appearance : Free flowing powder
- Specific Gravity : 1.50 to 1.80

#### PROPERTIES OF CURED FILM

- |  |   |
|--|---|
| • Substrate                              | 0.8 mm CRCA Phosphate   |
| • Application by electrostatic Spray Gun | 60 – 90 KV  |
| • Baking Schedule EMT                    | 180 Deg Cent. / 15 min metal temp.                                  |
| • Gloss at 60°(ASTM D523)                | Glossy = 80+ units<br>Semi glossy= 40-70 units<br>Matt = 5-20 units |
| • Finish                                 | Smooth & uniform  |
| • Impact Resistance (ASTM D 2794)        | 50 KG CM  |
| • Bend Test 6.25 mm(ASTM D522)           | No cracks on film   |
| • Adhesion (ASTM D3359)                  | GT – 0  |
| • Salt Spray Resistance (ASTM B 117)     | To pass 800 Hrs   |
| • Surface Resistivity (IEC 60167)        | >10 <sup>10</sup> Ωcm   |
| • Die electric strength (IEC 60243-1)    | >20KV/mm  |

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### APPLICATION RECOMMENDATION

- |                      |   |
|----------------------|---|
| • Application system | fluidized bed<br>Electrostatic corona gun Tribo gun |
| • Pretreatment       | Surface free from grease, oil and dust              |
| • Earthing           | Well and good                                       |
| • Compressed Air     | free from impurities like dust, moisture, oil       |

To avoid contamination and other defect cleaning is very essential.

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