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TECHNICAL DATA SHEET

ZINC RICH EPOXY PRIMER

(FH-ZP)

INTRODUCTION

FH-ZP is an epoxy-based smooth satin coating with a high level of zinc, providing excellent corrosion protection while improving the adhesion properties of powder topcoats resulting in superior service life and film integrity. It is not recommended for exterior use without a topcoat, typically used for garden tools, industrial waste equipment, agricultural machinery, pipeline coatings, electrical switch gear, cabinets and cable ducting.

APPLICATION SCHEDULE

- Applied by corona electrostatic spraying equipment
- Curing schedule :
 - For single coat application : 10 minutes at 200°C (object temperature).
 - For two coat applications : 3 minutes at 200 °C (object temperature), then cure top coat as per 10 minutes at 200°C
- Optimal film thickness : 60 - 90 um

POWDER AND COATING PROPERTIES

- Specific gravity : 2.0 - 2.2
- Film thickness (ISO 2178) : 60 - 90 µm
- Flow out : Good
- Gloss (ISO 2813, 60°) : 50-60 %
- Adhesion (ISO 2409) : GT= 0
- Pencil hardness (ASTM D3363) : 2H
- Direct and reverse impact (ASTM D2794) : >50kg.cm
- Salt spray Resistance (ASTM B117, 2000hrs)
(Maximum undercutting ,2 mm) : No blistering
- Chemical Resistance : Generally excellent resistance to dilute acids, alkalis, oil and most solvents at normal temperatures.

APPLICATION SUGGESTION

FH-ZP has a higher average specific gravity than standard powder coatings, therefore box feeders and fluidizing hoppers will need to be tested to ensure adequate mixing. It may require increased air pressure or vibration levels than standard powder coatings.