

## TECHNICAL DATA SHEET EPOXY POWDER COATINGS (E series)

### GENERAL INFORMATION:

EPOXY POWDER COATINGS (E series): Are the combination of pure epoxy resins cross-linked with proprietary hardeners. E Series are non-weatherable finishes which possess outstanding chemical and mechanical properties. This chemistry of powder coating finds its applications where maximum corrosion and chemical resistance is required.

### KEY PROPERTIES:

|   |                                 |
|---|---------------------------------|
| Color stability                               | Excellent                       |
| Particle size distribution (Um)               | 3 - 100                         |
| Coverage (s.q.m/kg)                           | Approx 8                        |
| Specific gravity g/cm <sup>3</sup>            | 1.3 - 1.8                       |
| Baking conditions (*)<br>(object temperature) | 190~200 <sup>0</sup> C –<br>12' |

### MECHANICAL TESTS:

|                        |                         |
|------------------------|-------------------------|
| Flexibility (ISO 6860) | Pass 3mm                |
| Adhesion (ISO 2409)    | Pass 2mm                |
| Hardness (ISO 1518)    | Pass                    |
| Impact (ISO 6272)      | Pass 2.5mm Front & Back |
| Salt spray (ISO7253)   | 200hrs Pass             |

### PRETREATMENT:

Metal surfaces to be coated must be clean and free from grease. Iron phosphate and particularly lightweight zinc phosphating of ferrous metals improves corrosion resistance.

Aluminium substrates may require a chromate conversion coating.

### PACKING INFORMATION:

|            |  |
|------------|--|
| Product ID | E series                                   |
| Container  | Cartonbox with PE liner                    |
| Net weight | 25Kgs                                      |
| Storage    | Dry and cool areas below 25 <sup>0</sup> C |
| Shelf life | 12 months                                  |

### APPLICATIONS:

Our E series powder coatings can be used with Corona type spraying system and it is completely adapted with all indoor coating purposes include

- Coating for pipes
- Steel structure
- Valves
- Fitness equipments
- Ceiling panels
- Light Fixtures
- Office & Home Furnitures
- Hand & Power Tools
- Shelving
- Tool Boxes
- Fire extinguishers
- Automotive parts
- Appliances

## HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage. MSDS's can be found on the company website at [www.powdercoating.vn](http://www.powdercoating.vn)



*(\*) Object temperature, baking conditions can be adjusted base on specific type of colors or surface effect. Improperly cure the coated film might lead to difference in color, gloss and other deterioration of coating properties. See TDS for detailed instruction.*

*NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall review statements on specific products and/or should make their own investigations to determine if such products are suitable for a particular use.*