



## EPOXY POLYESTER POWDER COATING GPC – MX SERIES

### PRODUCT DESCRIPTION

#### **GENESIS Epoxy Polyester - MX Series**

Hybrid Powder Coating suitable for interior decorative & protective coating with excellent over-bake resistance; it is general purpose economical powder coating for a variety of indoor substrates.

### APPLICATION AREAS

Indoor metal furniture and fixtures.

Electric items – cabinets, indoor light frames, cable trays, inverters.

Appliances industry - washing machines & driers, ceiling fans, freezer, microwave oven, water heaters, metal toys.

Automobile internal parts, toolboxes.

General industry – shelving racks, computers, exercise equipments.

### PRODUCT KEY FEATURES

- ✓ Suitable for Interior usage only.
- ✓ A wide range of colours, gloss levels and surface finishes are available.
- ✓ Good chemical and mechanical performance.
- ✓ Improved heat stability compared to pure epoxy powder coating
- ✓ High humidity, corrosion, and water immersion resistance
- ✓ Better adhesion to the metal surface
- ✓ Environmentally friendly coating

### POWDER PROPERTIES

PROPERTY	DESCRIPTION
<b>Chemistry</b>	Epoxy Polyester
<b>Colours</b>	RAL & other custom-made shades
<b>Gloss Levels</b>	MX-HG High Gloss - 95 (+/-) 5 MX-FG Full Gloss - 85 (+/-) 5 MX-SG Semi Gloss - 50 (+/-) 10 MX-SM Matt - 30 (+/-) 10 MX-DM Dead Matt - 5 (+/-) 5
<b>Patterns</b>	Smooth, Texture, Sand Texture, Antiques, metallic types.
<b>Specific gravity</b>	1.20 - 1.80 (depending upon colour & finishing)
<b>Theoretical Coverage</b>	8 – 13sq. meter/kg (as per application conditions)
<b>Curing schedule</b>	200 °C / 10Min & 180 °C / 12Min (metal temperature)
<b>Particle size</b>	60 (+/-) 5% above 32-micron sieve
<b>Storage</b>	Dry ventilation conditions below 33°C
<b>Shelf life</b>	12months
<b>Packing</b>	20Kg cartons (600kg on pallet wrapped with sheet)

### POWDER APPLICATION

**GENESIS MX Series** can be applied by automatic corona Electrostatic Powder Spray – 40 to 100 KV. Over spray powder can be reclaimed using suitable equipments and recycled through the coating systems.

### PRE-TREATMENT

Substrate should be free of grease, oil, dirt, fingerprints, and drawing compounds, remove all contamination and apply surface treatments to get optimum adhesion and coating performance properties. The use of a chemical conversion coating prior to the application of a powder coating is strongly recommended i.e. Iron or Zinc Phosphate.



## EPOXY POLYESTER POWDER COATING GPC – MX SERIES

### COATING PROPERTIES

Test Description	Test Standard	Results
Impact Test	ISO-6272	50kg/cm (No surface cracking)
Adhesion	ISO-2409	GT-0
Pencil Hardness	ASTM D 3363	H-2H pass (No pencil marks)
Bend Test - Conical Mandrel	ISO-6860	≥ 5mm pass (No film cracking)
Salt Spray – NACL 5%, 500hours	ASTM B117	No blistering & loss of adhesion No undercutting
Humidity Resistance, 500hours	ISO6270-2	No permeation exceeding 1mm on both sides of the scratch

*\*The above test results are of MX-FG product when typically tested on 0.8mm CRS pre-treated panel*

### STORAGE & SHELF LIFE

Store Powder in a dry & cool conditions. Do not exceed 33°C. Keep powder in packed condition if not in use to avoid contamination and moisture. Do not mix with any other powder. Shelf life - 12 months, in original packing with proper storage conditions.

*-----*  
*The information in this Data Sheet is the outcome of GPC research work and experience. The information contained herein is believed to be accurate but cannot be taken as a formal warranty. We reserve the right to change data without prior notice*

MANUFACTURED & MARKETED BY  
**GENESIS POWDER COATING PVT LTD**  
226, Sundar Industrial Estate, Lahore, Pakistan  
Tel. No. +92 42 35297013-15  
[www.genispowder.com](http://www.genispowder.com)

### GENESIS POWDER COATING PVT LTD

226, Sundar Industrial Estate, Lahore, Pakistan. +92 42 35297013-15, [info@genispowder.com](mailto:info@genispowder.com), [www.genispowder.com](http://www.genispowder.com)