

Product Data Sheet – Epoxy Polyester (Hybrid) Powders

Product Description	The Powder is formulated with Epoxy-Polysters Resins to suit for general application where sun light is not exposed directly on substrate.
Typical Application	Lighting fixtures, Control panels, Generator sets, Office furniture, few Auto parts used in interior of vehicles, Hardware, Switch gears, Air conditioner, Cabinets.
Powder Properties	
Chemical Name	Epoxy Polyester Resin
Partical Size Distribution	Below 125 Microns 100% Below 90 Microns >99% Below 32 Microns 42+-3%
Specific Gravity	1.4 to1.8 (Depending on Colour)
Curing Temperature	180°C (Object temperature) for 15 mins for Glossy Finish 190°C (Object temperature) for 10 mins for Semiglossy Finish 200°C (Object temperature) for 10 mins for Matt Finish
Storage	Product has shelf life of 6 months at 25°C & Relative Humidity of 50%
Film Thickness	For normal usage 50 - 60 microns. Structure, Texture 80 - 90 microns.
Physical Parameters(Substrate 0.6 mm m.s. pannel)	
Gloss at 60°	Glossy -80 to 95% Semi Glossy-45 to 65% Matt – 10 to 35%
Finishes	Available in plain, texture & structure finishes.
Pencil Hardness	H to 2H.
Flexibility	6.00 mm
Impact (Direct/Reverse)	100 kg cm. (Matt, Glossy and Texture Finish) 80 kg cm. (Structure Finish)
Scratch Hardness	2 kg mini.
Cross hatch test	GT-0 (1mm Squres for adhesion)
Salt –Spray Resistance	500 Hrs.
Humidity Resistance	1000 Hrs.
Chemical Resistance Test	No Stains were observed while conducted test from 5 cm glass for 16 hrs. Alcohol, Bleach, Battrey acid, Detergent 5%, Lemon juice, Paint brush cleaner.

Note: The data given herein is meant to serve only as a guide to user. The customers are advised to evaluate the product for their end use. The accuracy of product largely depends on surface preparation & application Condition which may vary from customers to customers and is beyond our control.