

Product Data Sheet – Epoxy Polyster (Hybrid) Powders

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| 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 Polyster 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 Squires 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.