

## Product Data Sheet – Pure Epoxy Powders

**Product Description** The Powders are formulated with epoxy resins to suit chemicals, corrosion resistance & Also very good adhesion properties.  
Not recommend for exterior application.

**Typical Application** Electricals Switchgears, Laboratory Furniture, Automotive Parts, Machines Components, wire goods (baskets).

### Powder Properties

**Chemical Name** Pure 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** 200°C (Object temperature) for 15 mins

**Storage** Product has shelf life of 6 months at 25°C & Relative Humidity of 50%

**Film Thickness** For normal usage 50 – 60 microns.

### Physical Parameters(Substrate 0.6 mm m.s. pannel)

**Gloss at 60°** Glossy - N.A.  
Semi Glossy-N.A.  
Matt – 10 to 20%

**Finishes** Available in plain, texture & structure finishes.

**Pencil Hardness** H to 2H.

**Flexibility** 6.00 mm

**Impact (Direct/Reverse)** 120 kg cm.

**Scratch Hardness** 2 kg mini.

**Cross hatch test** GT-0 (1mm Squres for adhesion)

**Salt –Spray Resistance** 500 Hrs. on CRCA steel. Chemically Treated.

**Humidity Resistance** 1000 Hrs.

**Chemical Resistance Test** Epoxy powders are highly resistances to wide variety of solvents & Chemicals.

**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.