

## Product Data Sheet – Pure Polyester Powders

**Product Description** The Powders are formulated with polyester resins to suit excellent outdoor durability & acceptable chemical resistance with very good adhesion properties. Highly recommended for architectural & outdoor equipment where it requires gloss retention over longer period.

**Typical Application** Aluminum section, Garden equipment & Auto components, Agricultural components, Petrol pump, Canopies, Sign boards, Air condition covers , Playground equipments.

### Powder Properties

**Chemical Name** Pure Polyesters

**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 10 to 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.  
Structure, Texture 70- 80 microns.

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

**Gloss at 60°** Glossy - 80 to 98%  
Semi Glossy - 45 to 75%  
Matt – 10 to 35%

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

**Pencil Hardness** H to 2H.

**Flexibility** 6.00 mm

**Impact (Direct/Reverse)** 80 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.

**QUV Resistance** 300 Hrs.

**Chemical Resistance Test** No stains were seen when test conducted under 5 cm watch glass for 16 hrs. Exposed to: Detergent 5%, Paint Brush Cleaner, Battery acid, Amonia 10%, Bleach, Lemon juice.

**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.