

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 Squires 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.