

TECHNICAL DATA SHEET :

Product name : **2K POLYURETHANE MATT FINISH PAINT**

Product Description : Polyurethane Finish paint –All Shades

Two pack Acrylic polyol based system cured with aliphatic polyisocyanate adduct. Specially designed to meet the requirements of Automobile Industry, Bus Bodies, Control Panels & other industry. This paint has excellent durability with colour & gloss retention.

Recommended use : Top Coat recommended for Automobile industries and Steel Structures

Features :

- Excellent adhesion properties
- Excellent Hardness
- Excellent Flexibility
- Excellent Salt spray resistance and weathering resistance

Physical Properties :

Colour Shade	:	As per RAL Shade
Volume Solids	:	50 (\pm 3 %) by volume
D.F.T.	:	30 to 40 microns
Theoretical Coverage	:	5-6 sq. meter per litre per one coat.
Flash point	:	Base - 25° C
Sp. Gravity	:	Base 1.15 (\pm 0.10) kg / Ltr. Hardner 0.96 (\pm 0.10) kg / ltr
Supply Viscosity	:	Base 80 (\pm 10) seconds .Hardner : 25(\pm 10 sec)

Surface Preparation : Surface Should be Clean ,Dry & Free From Moisture, oil & Grease
Recommended to follow shot blasting process

Application :

- 1) Application Conditions : Ambient temperature shall be above 10°C and relative humidity shall be below 80%. Adequate ventilation shall be provided in confined spaces
 - 2) Mixing : Stir each component with mechanical stirrer before mixing
 - 3) Mixing ratio : Base-4 Part ; Hardner-1 Part; Thinner-1.5 Part
 - 4) Application method : By Spray or by roller
 - 5) Finish : Smooth & Matt
 - 6) Pencil Hardness : Passes 2H
 - 7) Pot Life : Minimum 5 hours at 30°C
(Pot life may be reduced at higher temperature)
 - 8) Drying Time : Surface Dry – 15 to 20 minutes
Touch Dry – 2-3 hours
Hard Dry – 24 hours
 - 9) Resistance to Humidity : Passes for 240 hours
 - 10) Impact Resistance : Passes for 30 cm height and 500 gm load
 - 11) Salt Spray Resistance : Passes for 500 hours (for total system including Top coat)
 - 12) Accelerated Weathering Test: Free from discoloration , loss of gloss, blister, cracks, chalking, rust formation & loss of adhesion
for 750 hrs
- Shelf Life** : Base : 12 months; Hardner : 6 months from the date of mfg.

(* The paint film passes tests for : Acid, Alkali , Petrol and Gear oil resistance)