

TECHNICAL DATA SHEET :

Product name : **2K POLYURETHANE MONOCOAT SEMI GLOSSY FINISH PAINT BLACK**

Product Description : Polyurethane Finish paint

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

Recommended use : Monocoat Polyurethane for Automobile & Engineering industries and Steel Structures

Features :

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

Physical Properties :

Colour Shade	:	Black
Non Volatile content	:	55 (± 3 %) by weight
D.F.T.	:	60 to 80 microns for two coats
Theoretical Coverage	:	5-6 sq. meter per litre per one coat.
Flash point	:	Base - 25° C
Sp. Gravity	:	Base 1.10 (± 0.10) kg / Ltr. Hardner 1.05 (± 0.10) kg / ltr
Supply Viscosity	:	Base 80 (± 10) seconds .Hardner : 25(± 10 sec)

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

Application :

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| 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 air assisted Spray gun |
| 5) Finish | : | Smooth & Semi Glossy (Gloss reading – 30-35 units) |
| 6) Pencil Hardness | : | Passes 2H |
| 7) Pot Life | : | Minimum 3-4 hours at 30°C
(Pot life may be reduced at higher temperature) |
| 8) Drying Time | : | Surface Dry – 15 to 20 minutes
Touch Dry – 1-2 hours
Hard Dry – 18 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 250 hours |
| 12) Accelerated Weathering Test: | : | Free from discoloration , loss of gloss, blister, cracks, chalking, rust formation & loss of adhesion for 300 hrs |
| <u>Shelf Life</u> | : | Base : 12 months; Hardner : 6 months from the date of mfg. |

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