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SMG CoateX

A Chemistry For Performance

Manufacturer of Electrophoretic & Spray Lacquers, Anti Corrosive Paints Coatings and Epoxies Color Dyes & Pigments, Plating Chemicals & Brighteners. Sealants & Adhesives.

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GO-MAT

Go- Mat is solvent based smooth metallic matte spray Lacquer. With 3 component ratio of 1-Resin , 1-Hardener & 1- Catalyst. The curing temperature is 120° 30 minutes gives excellent coating performance. The nail scratch is a remarkable property. It is also known as satin matte in spray coating. Easy solubility of dyes & pigments in lacquer is prominent feature. Single coat spray gives good opacity.

Extruding Features:-

- Re coat ability is possible.
- Application can be done either with dye or without dye.
- First coat with dye & second coat of clear. Gives excellent protection & Matte finish.
- Excellent Exterior durability.
- Zero weather effect. (In open place, under shelter.)

Supply Material Data –

Test	Specification	Unit
Color	Clear	NA
Viscosity	40 – 50	Pas
Density as per DIN 53217	1.0-1.1	G/CCM
Shelf life Storage 4° to 35° C	Maximum -8	Months
Hazard category as per VbF	NA	NA
Flash Point as per DIN 53213	>21	° C

Pre Washing -

Pre washing of the substrate is essential. Make a hot water pre washing bath solution or can make a lime water bath solution for cleaning. Deep the substrate and Use cotton cloth to wipe out the moisture from the substrate.

COMPOSITION –

Mixing Ratio for 100 gm –

Go-Mat Lacquer – 70% = 70 gm

Hardener 1 – 20% = 20 gm

Catalyst – 10% = 10 gm

DYE – 2% (EXTRA as per requirement) = 2 ml

PU THINNER – 25 – 35 % = 25-35 ml

Surface Preparation –

Surface should be clean, dry and free from oil, Grease and foreign contaminants before coating. For previously painted surface remove all unstable paint film. Used lime chalk solution for cleaning the surface. Sanding is preferable on smooth surface.

For SS Pipes, Tubes, Hollow and Round Substrate before spray. Ensure that no water residue or other chemical content present inside. Pre heat treatment on oven for 50°/20 minutes should be done for such item/substrate before coating.

Procedure for Spray –

Mix the Go- Mat, Hardner – 1 and Catalyst in the given ratio. Stir the mixture vigorously. Dye addition 2%. Use the PU Thinner as required for application. Put the mixture in spray gun with proper filtration. Pressure bar of gun 2kpa. Hold the gun approximately 30 cm from object to be sprayed. Press level down with index figure. Keeping gun in motion from side to side so that coating is deposited evenly.

Mechanical Characteristics of Dry Film

Gloss / Matte	Matte
Adhesion (1mm*1mm)	Passes 100%
Pencil Hardness	9H +
Cupping test (Din – ISO 1520)	> 8 mm
Mandrel bend test (DIN – ISO 1520)	Passes 6.0 mm
Impact resistance 980g/20cm/2 inch	Passes direct / indirect

Note: It is recommended to check the hardness & perspiration cycle test after 72 Hours of the coating of the surface.

Chemical Characteristics of the Dry Film:

Acid Resistance (N/ 10 HCL)	Passes Minimum 100 Dip Hours
Alkali Resistance (N/ 10 NAOH)	Passes Minimum 100 Dip Hours

Corrosion protection of the Dry Film:

Salt Spray Test (ASTMB 117)	Passes Min 48 Hours
Water Resistance	Passes Minimum 80 Hours
Humidity Resistance (IS 101)	Passes Minimum 80 Hours

Out Durability of the Dry Film:

Weather -0-0meter Sunshine	Min 500 Hours
Xenotest 150	Min 500 Hours