

ISO 9001:2015, 14001:2015, 45001:2018 &  RoHS Certified

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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SPRAY CHAMP

SPRAY CHAMP is a top coat most glossy spray Lacquer. It is air dry lacquer with a remarkable non – scratching property. The application is done both by spray gun as well as brush. **SPRAY CHAMP** is widely used on ferrous & non – ferrous metals, Decorative, statue, structures. **SPRAY CHAMP** can also be used as a top coat in Plastics, Ceramics & Wooden Decorative. Prominent product for Handicrafts exporters. The **SPRAY CHAMP** has excellent adhesion power on the substrate. Long lasting glossy finish is another excellent Property.

Supply Material Data –

Test	Specification	Unit
Color	Clear	NA
Viscosity	30 – 40	Pas
Density as per DIN 53217	1.0-1.1	G/CCM
Shelf life Storage 4° to 35° C	Maximum -12	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. Dip the substrate and Use cotton cloth to wipe out the moisture from the substrate, completely.

COMPOSITION –

MIXING Ratio -

SPRAY CHAMP	THINNER
60	40
50	50
40	60

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. Ensure that the substrate has clean & glossy finish.

Procedure for Spray –

Mix the Spray Champ + Thinner as different ration or according to your trials. 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. Keep the cotton cloth while spray for keeping the surface clean. Application of Spray in Spray Booth with proper exhaust Fan. Do not apply spray in open air, to avoid dust.

Air Dry Properties-

After Spray -

Non – Tacky Surface	In 5 Min
Hand Touch	In 10 Min
Total Air Dry	In 35 Min
For Double Coating	After Open Air Lag Time of 30 Min
Packaging of Substrate	After 24 Hours

Mechanical Characteristics of Dry Film

Gloss / Matte	Gloss (92 %)
Adhesion (1mm*1mm)	Passes 100%
Pencil Hardness	2H +
Cupping test (Din – ISO 1520)	>6 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.

Corrosion protection of the Dry Film:

Salt Spray Test (ASTMB 117)	Passes Min 20 Hours
Water Resistance	Passes Minimum 10 Hours
Humidity Resistance (IS 101)	Passes Minimum 10 Hours

Out Durability of the Dry Film:

Weather -0-0meter Sunshine	Min 50 Hours
Xenotest 150	Min 50 Hours