

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.

Office: Second Shree ji Bungalow, Tehsil Road, Nathdwara-313301(Raj.)

Unit : N.H. 8, Industrial Area, Gunjol, Nathdwara-313301(Raj.) INDIA

Website : www.smgcoatex.com, E-mail : info@smgcoatex.com

Help Desk No. : +91-7300498888

HI GLOW - 3K

HI GLOW is solvent based spray Lacquer with 3 component ratio of Resin, Hardener & Catalyst. The baking temperature is 120 Degree 30 minutes gives excellent coating performance. The nail scratch is a remarkable property. High coating thickness with single coat enhances the sparkling gloss. Any colorDye can be mixed easily.

Extruding Features :-

1. Re coat able is applicable
2. Dual coat can be done. Both either with dye or without dye
3. First coat with dye & second coat of clear. Gives excellent protection & gloss.
4. Exterior durability with normal temperature.
5. Zero weather effect. (In open place, under shelter.)

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 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 –

Hi Glow Lacquer – 70% = 70 gm

Hardener 1 – 20% = 20 gm

Catalyst – 10% = 10 gm

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

PU THINNER – 20 – 30 % = 20 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. Ensure that the substrate has maximum glossy finish.

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 HI GLOW, 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	Gloss
Adhesion (1mm*1mm)	Passes 100%
Pencil Hardness	6H +
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.

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



KANHA TESTING LABS PVT. LTD.

(NABL ACCREDITED LABORATORY)

(CIN : U93000HR2013PTC048202)

40777-E, Kadipur Industrial Area, Near Rao Service Station, Opp. Sector-10, Gurgaon - 122 001 (Hr.)

E-mail : kanhatestlab@gmail.com, Website : www.kanhatestlab.com

TC652219000007748F

TEST REPORT

Report No. : 78767

Issue Date : 27-Jun-2019

Customer Name : SMG Coatex, N.H.-8, Industrial Area, Gurgaon,
Nathdwara-313301 (Raj.)

Job Order No. : 19F0219-1

Sample Reference : Pannel no.- 1, Sporex / High color

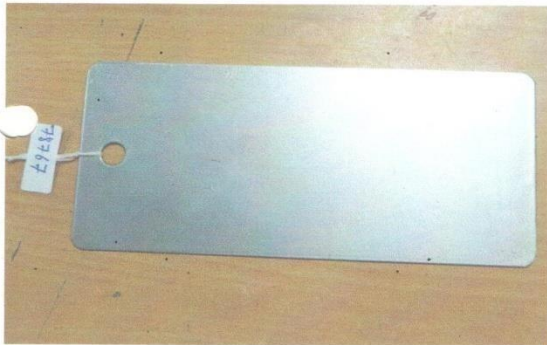
Sample Recd. Date : 25-06-19

Testing Start Date : 26-06-19

Testing End Date : 27-06-19

TEST RESULTS

SALT SPRAY TEST :- (Test Method as per ASTM B117:2016)



BEFORE TEST



AFTER 24 HRS.

OBSERVATION:-

Within 24 Hrs. :- Red Rust Observed

End of Results

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Authorised Signatory

Sample Collection Centre - Neemrana

Address : Janak Singh Pura, NH-8, Near Chinnar Hotel, Opposite - Japanese Zone, Neemrana (Raj.) Cont. No. 08510061316



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Issue Date : 27-Jun-2019

Customer Name : SMG Coatex, N.H.-8, Industrial Area, Gunjol, Nathdwara-313301 (Raj.)

Job Order No. : 19F0219-1

Sample Reference : Pannel no.- 1, Sporex / High glow

Sample Recd. Date : 25-06-19

Testing Start Date : 26-06-19

Testing End Date : 27-06-19

TEST RESULTS

Salt Spray Test:- (Test Method as per ASTM B117-2016)

Test Method : Tested in accordance with ASTM B117-16 standard practice for operating Salt Spray apparatus

Test Apparatus : Salt Spray chamber

Type of salt used : NaCl (M.W.58.44) with minimum assay 99.7%
Total impurities <=0.3%

Water : Conforms as per specification IS:1070 requirements

Sample condition :- Coated

Test Condition:-

S.No.	Parameter	Actual
1	Sample Loading time/Date	09.30 AM/26-06-2019
2	Sample unloading time/Date	09.30 AM/27-06-2019
3	Salt Sol. Conc.	5% wt
4	Chamber Temp.	35+/- 2°C
5	pH of fog Solution	6.5 to 7.2
6	Fog Collection	24 - 48 ml/24Hrs
7	Test Duration	24 Hrs.

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Issue Date : 27-Jun-2019

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Sample Reference : Pannel no.- 1, Sporex / *high alow* Sample Recd. Date : 25-06-19
Testing Start Date : 25-06-19

Testing End Date : 27-06-19

TEST RESULTS

Coating Thickness Test:- (Test method : IS 101 (Part 3/Sec.2)-1989)

Sr. No.	1	2	3	4	5	
Result	6	7	7	6	8	Micron

Average Coating Thickness = 7 Micron

End of Results

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