



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

<b>Laboratory Name :</b>	SURFACE ENGINEERING AND COATING CONSULTANT, A 107, KAILASH INDUSTRIAL COMPLEX, MUMBAI, MAHARASHTRA, INDIA		
<b>Accreditation Standard</b>	ISO/IEC 17025:2017		
<b>Certificate Number</b>	TC-9607	<b>Page No</b>	1 of 4
<b>Validity</b>	18/06/2021 to 17/06/2023	<b>Last Amended on</b>	26/08/2021

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	CHEMICAL- PAINTS & SURFACE COATING	Clear or Pigmented Coatings	Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings	ASTM D 2697
2	CHEMICAL- PAINTS & SURFACE COATING	films and sheets	Standard Test Method for Tensile Properties of Organic Coatings	ASTM D 2370
3	CHEMICAL- PAINTS & SURFACE COATING	Newtonian or near-Newtonian paints, varnishes, lacquers, and related liquid materials	Standard Test Method for Viscosity by Ford Viscosity Cup	ASTM D 1200
4	CHEMICAL- PAINTS & SURFACE COATING	Paints, Inks, and Related Coating Products	Determination of Volatile Organic Compound (VOC) content in Paints, Inks, and Related Coating Products	EPA Method 24
5	CHEMICAL- PAINTS & SURFACE COATING	Adhesive	Standard Test Method for Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal)	ASTM D 1002
6	CHEMICAL- PAINTS & SURFACE COATING	Adhesives	Standard Test Method for Peel or Stripping Strength of Adhesive Bonds	ASTM D903
7	CHEMICAL- PAINTS & SURFACE COATING	Coated / Uncoated Substrates	Standard Test Method for Conducting Potentiodynamic Polarization Resistance Measurements	ASTM G 59
8	CHEMICAL- PAINTS & SURFACE COATING	Coated and Uncoated Specimens	Electrochemical Impedance on Coated and Uncoated Specimens	ISO 16773-2
9	CHEMICAL- PAINTS & SURFACE COATING	Coated Panels	Corrosion tests in artificial atmospheres — Salt spray tests	ISO 9227
10	CHEMICAL- PAINTS & SURFACE COATING	Coated Substrates	Resistance to Humidity Under Conditions of Condensation	IS 101(Part 6/Sec 1)
11	CHEMICAL- PAINTS & SURFACE COATING	Coating materials and coating systems for exterior masonry and concrete	Coating materials and coating systems for exterior masonry and concrete - Part 6: Determination of carbon dioxide permeability	EN 1062-6
12	CHEMICAL- PAINTS & SURFACE COATING	Liquid Paint, Inks, and Related Product	Standard Test Method for Density of Liquid Coatings, Inks, and Related Products	ASTM D1475



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13	CHEMICAL- PAINTS & SURFACE COATING	Liquid Paint, Inks, and Related Product	Standard Test Method for Volatile Content of Coatings	ASTM D 2369
14	CHEMICAL- PAINTS & SURFACE COATING	Liquid Paint, Inks, and Related Product	Standard Test Methods for Drying, Curing, or Film Formation of Organic Coatings	ASTM D1640 / D1640M - 14
15	CHEMICAL- PAINTS & SURFACE COATING	Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals	Standard Practice for Nondestructive Measurement of Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals	ASTM 7091
16	CHEMICAL- PAINTS & SURFACE COATING	Organic Coating Films	Standard Test Methods for Water Vapor Transmission of Organic Coating Films1	ASTM D1653
17	CHEMICAL- PAINTS & SURFACE COATING	Paint & Varnishes	Paints and varnishes — Determination of density — Part 1: Pyknometer method	ISO 2811-1
18	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Accelerated Weathering Test	ASTM G 154
19	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Cathodic Disbondment Test	ASTM G 8
20	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Flexibility (Bend Test)	ASTM D 522
21	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Flexure Test	ASTM D 790
22	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Holiday Test(Spark probe)	ASTM D 5162 (Test Method B)
23	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated substrate	Humidity Exposure Test	ASTM D 2247
24	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Impact Test	ASTM D 2794
25	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated substrate	Neutral Salt Spray Test	ASTM B117
26	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Pull-off Adhesion	ASTM D4541
27	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Scratch Hardness Test	BS 3900-E2



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28	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Taber Abrasion Test	ASTM D 4060
29	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Tensile test	ASTM D 882
30	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Methods of sampling and test for paints, varnishes and related products part 5 Mechanical test on paint films Sec 2 Flexibility and adhesion	IS 101 Part 5/ Sec 2
31	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Standard Practice for Immersion Testing of Industrial Protective Coatings and Linings	ASTM D 6943
32	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Standard Test Method for Impact Resistance of Pipeline Coatings (Falling Weight Test)	ASTM G14
33	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Standard Test Method for Rubber Property—Durometer Hardness	ASTM D 2240
34	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Standard Test Methods for Rating Adhesion by Tape Test	ASTM D 3359
35	CHEMICAL- PAINTS & SURFACE COATING	Paint /coated Substrates	Cathodic Disbondment	ASTM G42
36	CHEMICAL- PAINTS & SURFACE COATING	Paint /coated Substrates	Cathodic Disbondment	ASTM G95
37	CHEMICAL- PAINTS & SURFACE COATING	Paint, Varnish, Lacquer, and Related products	Standard Test Method for Consistency of Paints Measuring Krebs Unit (KU) Viscosity Using a Stormer-Type Viscometer	ASTM D 562
38	CHEMICAL- PAINTS & SURFACE COATING	Paint, Varnishes, and Related Products	Part 1.Test on liquid paints(general and Physical) Sec.5 Consistency	IS 101 Part 1 / Sec 5
39	CHEMICAL- PAINTS & SURFACE COATING	Painted / Coated Substrates	Standard Test Method for Specular Gloss	ASTM D523
40	CHEMICAL- PAINTS & SURFACE COATING	Painted / Coated Substrates	Standard Test Methods for Tension Testing of Metallic Materials	ASTM E8



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41	CHEMICAL- PAINTS & SURFACE COATING	Painted/ Coated Substrate	Paints and varnishes — Determination of resistance to humidity — Part 3: Condensation (in-cabinet exposure with heated, bubbling water reservoir)	ISO 6270-3
42	CHEMICAL- PAINTS & SURFACE COATING	Painted/Coated Substrates	Standard Test Method for Film Hardness by Pencil Test	ASTM D3363
43	CHEMICAL- PAINTS & SURFACE COATING	Painted/Coated Substrates	Standard Test Methods for Evaluating Coatings For High-Temperature Service	ASTM D2485
44	CHEMICAL- PAINTS & SURFACE COATING	Painted/Coated/Free Film	Standard Test Method for Tensile Properties of Plastics	ASTM D 638
45	CHEMICAL- PAINTS & SURFACE COATING	PAINTS, VARNISHES AND RELATED PRODUCTS	METHODS OF SAMPLING AND TEST FOR PAINTS, VARNISHES AND RELATED PRODUCTS PART 1 TEST ON LIQUID PAINTS ( GENERAL AND PHYSICAL ) Section 7 Mass per Ten Litres	IS 101 Part 1/ Sec 7
46	CHEMICAL- PAINTS & SURFACE COATING	PAINTS, VARNISHES, AND RELATED PRODUCTS	METHODS OF SAMPLING AND TEST FOR PAINTS, VARNISHES AND RELATED PRODUCTS PART 3 TESTS ON PAINT FILM FORMATION Section 2 Film Thickness	IS 101 Part 3 / Sec 2
47	CHEMICAL- PAINTS & SURFACE COATING	PAINTS, VARNISHES AND RELATED PRODUCTS	METHODS OF SAMPLING AND TEST FOR PAINTS, VARNISHES AND RELATED PRODUCTS PART 8 TESTS FOR PIGMENTS AND OTHER SOLIDS Section 6 Volume Solids	IS 101 Part 8 / Sec 6
48	CHEMICAL- PAINTS & SURFACE COATING	Rubber and Thermoplastic Elastomers	Standard Test Method for Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers	ASTM D624