# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SURFACE ENGINEERING AND COATING CONSULTANT, A 107, KAILASH INDUSTRIAL COMPLEX, MUMBAI, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-9607 **Page No** 1 of 4

**Validity** 18/06/2023 to 17/06/2025 **Last Amended on** 19/06/2023

| 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 | Adhesive | Apparent Shear Strength of Single-Lap-Joint Adhesively Bonded Metal Specimens by Tension Loading (Metal-to-Metal) | ASTM D 1002 |
| 2 | CHEMICAL- PAINTS & SURFACE COATING | Adhesives | Peel or Stripping Strength of Adhesive Bonds | ASTM D903 |
| 3 | CHEMICAL- PAINTS & SURFACE COATING | Clear or Pigmented Coatings | Volume, Nonvolatile Matter in Clear or Pigmented Coatings | ASTM D 2697 |
| 4 | CHEMICAL- PAINTS & SURFACE COATING | Coated / Uncoated Substrates | Conducting Potentiodynamic Polarization Resistance Measurements | ASTM G 59 |
| 5 | CHEMICAL- PAINTS & SURFACE COATING | Coated and Uncoated Specimens | Electrochemical Impedance on Coated and Uncoated Specimens | ISO 16773-2 |
| 6 | CHEMICAL- PAINTS & SURFACE COATING | Coated Panels | Corrosion tests in artificial atmospheres — Salt spray tests | ISO 9227 |
| 7 | CHEMICAL- PAINTS & SURFACE COATING | Coated Sample | cathodic Disbonding of Pipeline Coatings Subjected to Elevated Temperatures | ASTM G-42 |
| 8 | CHEMICAL- PAINTS & SURFACE COATING | Coated Sample | Cross Cut test | ISO 2409 |
| 9 | CHEMICAL- PAINTS & SURFACE COATING | Coated Sample | Determination of resistance to cathodic disbonding exposed to see water | ISO 15711 |
| 10 | CHEMICAL- PAINTS & SURFACE COATING | coated sample | Exposing coatings to fluorescent UV lamps | ISO 16474-3 |
| 11 | CHEMICAL- PAINTS & SURFACE COATING | Coated sample | Pull off adhesion test | ISO 4624 |
| 12 | CHEMICAL- PAINTS & SURFACE COATING | Coated Sample | Water immersion - temperature gradient method | ISO 2812-2 |
| 13 | CHEMICAL- PAINTS & SURFACE COATING | Coated Substrates | Resistance to Humidity Under Conditions of Condensation | IS 101(Part 6/Sec 1) |
| 14 | CHEMICAL- PAINTS & SURFACE COATING | Coating materials and coating systems for exterior masonry and concrete | Determination of carbon dioxide permeability | EN 1062-6 |
| 15 | CHEMICAL- PAINTS & SURFACE COATING | films and sheets | Tensile Properties of Organic Coatings | ASTM D 2370 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SURFACE ENGINEERING AND COATING CONSULTANT, A 107, KAILASH INDUSTRIAL COMPLEX, MUMBAI, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-9607 | **Page No** | 2 of 4 |
| **Validity** | 18/06/2023 to 17/06/2025 | **Last Amended on** | 19/06/2023 |

| 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 |
|---|---|---|---|---|
| 16 | CHEMICAL- PAINTS & SURFACE COATING | liquid paint | Gel Time- Peak Exothermic Temperature Of Reacting Thermosetting Resins | ASTM D2471 |
| 17 | CHEMICAL- PAINTS & SURFACE COATING | Liquid Paint, Inks, and Related Product | Density of Liquid Coatings, Inks, and Related Products | ASTM D1475 |
| 18 | CHEMICAL- PAINTS & SURFACE COATING | Liquid Paint, Inks, and Related Product | Drying, Curing, or Film Formation of Organic Coatings | ASTM D1640 / D1640M |
| 19 | CHEMICAL- PAINTS & SURFACE COATING | Liquid Paint, Inks, and Related Product | Volatile Content of Coatings | ASTM D 2369 |
| 20 | CHEMICAL- PAINTS & SURFACE COATING | Newtonian or near-Newtonian paints, varnishes, lacquers, and related liquid materials | Viscosity by Ford Viscosity Cup | ASTM D 1200 |
| 21 | CHEMICAL- PAINTS & SURFACE COATING | Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals | Dry Film Thickness of Nonmagnetic Coatings Applied to Ferrous Metals and Nonmagnetic, Nonconductive Coatings Applied to Non-Ferrous Metals | ASTM 7091 |
| 22 | CHEMICAL- PAINTS & SURFACE COATING | Organic Coating Films | Water Vapor Transmission of Organic Coating Films1 | ASTM D1653 |
| 23 | CHEMICAL- PAINTS & SURFACE COATING | Paint & Varnishes | Determination of density — Part 1: Pyknometer method | ISO 2811-1 |
| 24 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Accelerated Weathering Test | ASTM G 154 |
| 25 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Cathodic Disbondment Test | ASTM G 8 |
| 26 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Flexibility (Bend Test) | ASTM D 522 |
| 27 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Flexure Test | ASTM D 790 |
| 28 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Holiday Test(Spark probe) | ASTM D 5162 (Test Method B) |
| 29 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated substrate | Humidity Exposure Test | ASTM D 2247 |
| 30 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Impact Test | ASTM D 2794 |
| 31 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated substrate | Neutral Salt Spray Test | ASTM B117 |
| 32 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Pull-off Adhesion | ASTM D4541 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SURFACE ENGINEERING AND COATING CONSULTANT, A 107, KAILASH INDUSTRIAL COMPLEX, MUMBAI, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-9607 | **Page No** | 3 of 4 |
| **Validity** | 18/06/2023 to 17/06/2025 | **Last Amended on** | 19/06/2023 |

| 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 |
|---|---|---|---|---|
| 33 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Scratch Hardness Test | BS 3900-E2 |
| 34 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Taber Abrasion Test | ASTM D 4060 |
| 35 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Tensile test | ASTM D 882 |
| 36 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Durometer Hardness | ASTM D 2240 |
| 37 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Immersion Testing of Industrial Protective Coatings and Linings | ASTM D 6943 |
| 38 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Impact Resistance of Pipeline Coatings (Falling Weight Test) | ASTM G14 |
| 39 | CHEMICAL- PAINTS & SURFACE COATING | Paint / Coated Substrate | Standard Test Methods for Rating Adhesion by Tape Test | ASTM D 3359 |
| 40 | CHEMICAL- PAINTS & SURFACE COATING | Paint /coated Substrates | Cathodic Disbondment | ASTM G42 |
| 41 | CHEMICAL- PAINTS & SURFACE COATING | Paint /coated Substrates | Cathodic Disbondment | ASTM G95 |
| 42 | CHEMICAL- PAINTS & SURFACE COATING | Paint, Varnish, Lacquer, and Related products | Viscosity Using a Stormer-Type Viscometer | ASTM D 562 |
| 43 | 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 |
| 44 | CHEMICAL- PAINTS & SURFACE COATING | Painted / Coated Substrates | Specular Gloss | ASTM D523 |
| 45 | CHEMICAL- PAINTS & SURFACE COATING | Painted/ Coated Substrate | Determination of resistance to humidity — Part 3: Condensation (in-cabinet exposure with heated, bubbling water reservoir) | ISO 6270-3 |
| 46 | CHEMICAL- PAINTS & SURFACE COATING | Painted/Coated Substrates | Evaluating Coatings For High-Temperature Service | ASTM D2485 |
| 47 | CHEMICAL- PAINTS & SURFACE COATING | Painted/Coated Substrates | Film Hardness by Pencil Test | ASTM D3363 |
| 48 | CHEMICAL- PAINTS & SURFACE COATING | PAINTS, VARNISHES AND RELATED PRODUCTS | Mass per Ten Litres | IS 101 Part 1/ Sec 7 |
| 49 | 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 |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | SURFACE ENGINEERING AND COATING CONSULTANT, A 107, KAILASH INDUSTRIAL COMPLEX, MUMBAI, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-9607 | **Page No** | 4 of 4 |
| **Validity** | 18/06/2023 to 17/06/2025 | **Last Amended on** | 19/06/2023 |

| 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 |
|---|---|---|---|---|
| 50 | CHEMICAL- PAINTS & SURFACE COATING | PAINTS, VARNISHES, AND RELATED PRODUCTS | Film Thickness | IS 101 Part 3 / Sec 2 |
| 51 | CHEMICAL- PAINTS & SURFACE COATING | PAINTS,VARNISHES AND RELATED PRODUCTS | Volume Solids | IS 101 Part 8 / Sec 6 |
| 52 | CHEMICAL- PAINTS & SURFACE COATING | Rubber and Thermoplastic Elastomers | Tear Strength of Conventional Vulcanized Rubber and Thermoplastic Elastomers | ASTM D624 |
| 53 | CHEMICAL- PAINTS & SURFACE COATING | Zinc Powder | Chemical Analysis of Zinc Dust (Metallic Zinc Powder) | ASTM D521-02 |