



# National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)



## SCOPE OF ACCREDITATION

Laboratory Name SURFACE ENGINEERING & COATING CONSULTANT (SECC), 27-UPPER GROUND FLOOR, DREAMS THE MALL, LBS ROAD, BHANDUP (W), MUMBAI, MAHARASHTRA, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-8480 Page No. : 1 / 2

Validity 04/05/2019 to 03/05/2021 Last Amended on -

S.No	Discipline / Group	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing/ Limits of Detection
<b>Permanent Facility</b>					
1	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Accelerated Weathering Test	ASTM G 154: 2016	Qualitative
2	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Cathodic Disbondment Test	ASTM G 8: 1996, RA: 2010	4 cm to 10 cm
3	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Flexibility (Bend Test)	ASTM D 522: 2017	Qualitative(Cylindrical Mandrels with Dia from 3.2 mm, 6.4 mm, 9.5 mm, 12.7 mm, 19.1 mm and 25.4 mm)
4	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Flexure Test	ASTM D 790: 2017	0.1 MPa to 300 MPa
5	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Holiday Test(Spark probe)	ASTM D 5162 (Test Method B): 2015	Qualitative(Thickness of coating 0.5mm to 3.79mm)
6	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated substrate	Humidity Exposure Test	ASTM D 2247: 2015	Qualitative
7	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Impact Test	ASTM D 2794: 2019	Qualitative(Load 0.5 to 3.5 kgHeight 0.5 to 1.0 m)
8	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated substrate	Neutral Salt Spray Test	ASTM B117: 2018	Qualitative
9	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Pull-off Adhesion	ASTM D4541: 2017	0.006 MPa to 96.5 MPa
10	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Scratch Hardness Test	ASTM D 2197: 2016	Qualitative(Applied load up to 10 kg)



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11	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Taber Abrasion Test	ASTM D 4060: 2014	Qualitative(- At 60 rpm and applied load up to 1000 g- Final evaluation is done by measuring weight changes of the tested panels )
12	CHEMICAL- PAINTS & SURFACE COATING	Paint / Coated Substrate	Tensile test	ASTM D 882: 2018	0.1 MPa to 100 MPa