National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : SPAN MATERIAL TESTING AND CONSULTANCY SERVICES LIMITED, A-59, GIDC, SECTOR 25, GANDHINAGAR, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 04/09/2022 to 03/09/2024 **Last Amended on** 03/11/2022

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	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Bitumen content	ASTM D 2172
2	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Density of mix	ASTM D 2726
3	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Absolute Viscosity	IS 1206 (Part 2)
4	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Ductility	IS 1208
5	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Kinematic Viscosity	IS 1206 (Part 3)
6	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Loss on heating	IS 1212
7	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Penetration	IS 1203
8	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Softening Point	IS 1205
9	MECHANICAL- BUILDINGS MATERIALS	Bitumen	Specific gravity	IS 1202
10	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Marshal Flow	ASTM D 6927
11	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Marshal Stability	ASTM D 6927
12	MECHANICAL- BUILDINGS MATERIALS	Bituminous Mix / Core	Theoretical Maximum specific gravity	ASTM D 2041
13	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive strength	IS 3495 (Part 1)
14	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Height	IS 1077
15	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension - Width	IS:1077
16	MECHANICAL- BUILDINGS MATERIALS	Bricks	Dimension-Length	IS 1077
17	MECHANICAL- BUILDINGS MATERIALS	Bricks	Efflorescence	IS 3495 (Part 3)
18	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water absorption	IS 3495 (Part 2)

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19	MECHANICAL- BUILDINGS MATERIALS	Cement	Compressive Strength	IS 4031 (Part 6)
20	MECHANICAL- BUILDINGS MATERIALS	Cement	Consistency	IS 4031 (Part 4)
21	MECHANICAL- BUILDINGS MATERIALS	Cement	Density	IS 4031 (Part 11)
22	MECHANICAL- BUILDINGS MATERIALS	Cement	Final setting time	IS 4031 (Part 5)
23	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by blaine air permeability	IS 4031 (Part 2)
24	MECHANICAL- BUILDINGS MATERIALS	Cement	Fineness by dry sieving	IS 4031 (Part 1)
25	MECHANICAL- BUILDINGS MATERIALS	Cement	Initial setting time	IS 4031 (Part 5)
26	MECHANICAL- BUILDINGS MATERIALS	Cement	Soundness by Le–chatelier methods	IS 4031 (Part 3), Clause No.5
27	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Alkali Aggregate reactivity (By Mortar Bar Method)	IS 2386 (Part 7)
28	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing value	IS 2386 (Part 4)
29	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
30	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
31	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
32	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Loose Bulk Density	IS 2386 (Part 3)
33	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Los Angeles Abrasion Value	IS 2386 (Part 4)
34	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (125 mm to 4.75 mm)	IS 2386 (Part 1)
35	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
36	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Stripping Value	IS 6241
37	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Water Absorption	IS 2386 (Part 3)

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38	MECHANICAL- BUILDINGS MATERIALS	Course Aggregate	10% Fines value	IS 2386 (Part 4)
39	MECHANICAL- BUILDINGS MATERIALS	Course Aggregate	Compacted Bulk Density	IS 2386 (Part 3)
40	MECHANICAL- BUILDINGS MATERIALS	Course Aggregate	Soundness by Mg2So4	IS 2386 (Part 5)
41	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	% Finer than 75µm	IS 2386 (Part 1)
42	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Alkali Aggregate reactivity (By Mortar Bar Method)	IS 2386 (Part 7)
43	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10 mm to 150 µm)	IS 2386 (Part 1)
44	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
45	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Water Absorption	IS 2386 (Part 3)
46	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Residue on 45 µm	IS 1727
47	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Density	IS 4031 (Part 11)
48	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Slump test	IS 1199
49	MECHANICAL- BUILDINGS MATERIALS	Fresh concrete	Weight per cubic meter	IS 1199
50	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Compressive strength	IS 516
51	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Flexural Strength	IS 516
52	MECHANICAL- BUILDINGS MATERIALS	Paver block	Compressive strength	IS 15658
53	MECHANICAL- BUILDINGS MATERIALS	Paver block	Water absorption	IS 15658
54	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Rectangularity	IS 13630 (Part 1)
55	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Modulus of rupture	IS 13630 (Part 6)
56	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Resistance to Surface Abrasion	IS 13630 (Part 11)

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57	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Scratch hardness	IS 13630 (Part 13)
58	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Straightness of Sides	IS 13630 (Part 1)
59	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Surface Flatness	IS 13630 (Part 1)
60	MECHANICAL- BUILDINGS MATERIALS	Pressed ceramic tiles/ Ceramic Tiles	Surface Quality	IS 13630 (Part 1)
61	MECHANICAL- BUILDINGS MATERIALS	Pressed Ceramic Tiles / Ceramic Tiles	Breaking Strength	IS 13630 (Part 6)
62	MECHANICAL- BUILDINGS MATERIALS	Retroreflection Materials / Radium	Retroreflectivity measurement	ASTM D 4956
63	MECHANICAL- BUILDINGS MATERIALS	Tiles	Dimension - Length	IS 13630 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Tiles	Dimension - Thickness	IS 13630 (Part 1)
65	MECHANICAL- BUILDINGS MATERIALS	Tiles	Dimension - Width	IS 13630 (Part 1)
66	MECHANICAL- BUILDINGS MATERIALS	Tiles	Water Absorption	IS 13630 (Part 2)
67	MECHANICAL- BUILDINGS MATERIALS	WOOD(Timber)	Density(Specific Gravity)	IS 1708 (Part 2)
68	MECHANICAL- BUILDINGS MATERIALS	WOOD(Timber)	Moisture	IS 1708 (Part 1)
69	MECHANICAL- SOIL AND ROCK	Natural building stone	Apparent specific gravity	IS 1124
70	MECHANICAL- SOIL AND ROCK	Natural building stone	Compressive strength	IS 1121 (Part 1)
71	MECHANICAL- SOIL AND ROCK	Natural building stone	True specific gravity	IS 1122
72	MECHANICAL- SOIL AND ROCK	Natural building stone	Water absorption	IS 1124
73	MECHANICAL- SOIL AND ROCK	Soil	California Bearing Ratio	IS 2720 (Part 16)
74	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)
75	MECHANICAL- SOIL AND ROCK	Soil	Consolidation Test	IS 2720 (Part 15)

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76	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test (Angle of Internal friction)	IS 2720 (Part 13)
77	MECHANICAL- SOIL AND ROCK	Soil	Direct shear test(Cohesion)	IS 2720 (Part 13)
78	MECHANICAL- SOIL AND ROCK	Soil	Free swell index	IS 2720 (Part 40)
79	MECHANICAL- SOIL AND ROCK	Soil	Grain size analysis (75µm to 40 mm)	IS 2720 (Part 4)
80	MECHANICAL- SOIL AND ROCK	Soil	Liquid limit	IS 2720 (Part 5)
81	MECHANICAL- SOIL AND ROCK	Soil	Maximum Dry Density by Heavy compaction	IS 2720 (Part 8)
82	MECHANICAL- SOIL AND ROCK	soil	Maximum Dry Density by Light compaction	IS 2720 (Part 7)
83	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content by Heavy compaction	IS 2720 (Part 8)
84	MECHANICAL- SOIL AND ROCK	Soil	Optimum Moisture Content by Light compaction	IS 2720 (Part 7)
85	MECHANICAL- SOIL AND ROCK	Soil	Plastic limit	IS 2720 (Part 5)
86	MECHANICAL- SOIL AND ROCK	Soil	Shrinkage Limit	IS 2720 (Part 6)
87	MECHANICAL- SOIL AND ROCK	Soil	Specific gravity	IS 2720 (Part 3, Sec-1)
88	MECHANICAL- SOIL AND ROCK	Soil	Swelling Pressure	IS 2720 (Part 41)
89	MECHANICAL- SOIL AND ROCK	Tar and Bituminous Material	Solubility in Trichloroethylene	IS 1216

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Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Retroreflection Materials / Radium	Retroreflectivity measurement	ASTM D 4956
2	MECHANICAL- SOIL AND ROCK	Soil	Standard Penetration Test	IS 2131