



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO  
181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD,  
PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

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

**Certificate Number** TC-6832

**Page No** 1 of 12

**Validity** 08/12/2024 to 07/12/2028

**Last Amended on** 14/01/2025

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 Testing				
1	CHEMICAL- BUILDING MATERIAL	Admixture	Dry Material Content	IS 9103
2	CHEMICAL- BUILDING MATERIAL	Admixture	pH value	IS 9103
3	CHEMICAL- BUILDING MATERIAL	Admixture	Relative Density	IS 9103
4	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Aluminium	IS 8811
5	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Arsenic	IS 8811
6	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Boron	IS 8811
7	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Carbon	IS 8811
8	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Chromium	IS 8811
9	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Cobalt	IS 8811
10	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Copper	IS 8811
11	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Manganese	IS 8811
12	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Molybdenum	IS 8811
13	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Nickel	IS 8811
14	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Nitrogen	IS 228 (Part-23)
15	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Phosphorous	IS 8811
16	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Silicon	IS 8811
17	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Sulphur	IS 8811
18	CHEMICAL- METALS & ALLOYS	Ferrous Materials Base - Low Alloy Steel	Vanadium	IS 8811
19	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR (AERATED) CONCRETE BLOCKS (AAC)	1. Dimension Length	IS2185 Part-3



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO  
181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD,  
PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-6832

**Page No**

2 of 12

**Validity**

08/12/2024 to 07/12/2028

**Last Amended on**

14/01/2025

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
20	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR (AERATED) CONCRETE BLOCKS (AAC)	1A. Dimension Width	IS2185 Part-3
21	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR (AERATED) CONCRETE BLOCKS (AAC)	1B. Dimension Thickness	IS2185 Part-3
22	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR (AERATED) CONCRETE BLOCKS (AAC)	Block Density	IS 6441 (Part 1)
23	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR (AERATED) CONCRETE BLOCKS (AAC)	Compressive Strength	IS 6441 (Part 5)
24	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR (AERATED) CONCRETE BLOCKS (AAC)	Drying Shrinkage	IS 6441 (Part 2)
25	MECHANICAL- BUILDINGS MATERIALS	AUTOCLAVED CELLULAR (AERATED) CONCRETE BLOCKS (AAC)	Moisture Movement	IS 6441 (Part 1)
26	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Fineness by Dry Sieve Method	IS 6186
27	MECHANICAL- BUILDINGS MATERIALS	Bentonite	Fineness by Wet Sieve Method	IS 6186
28	MECHANICAL- BUILDINGS MATERIALS	Bricks	Compressive Strength	IS 3495 (Part 1)
29	MECHANICAL- BUILDINGS MATERIALS	Bricks	Water Absorption	IS 3495 (Part 2)
30	MECHANICAL- BUILDINGS MATERIALS	Bricks & Pre-casted blocks	Compressive Strength	IS 3495 (Part-1)
31	MECHANICAL- BUILDINGS MATERIALS	Bricks & Pre-casted blocks	Dimension - Height	IS 1077
32	MECHANICAL- BUILDINGS MATERIALS	Bricks & Pre-casted blocks	Dimension - Length	IS 1077
33	MECHANICAL- BUILDINGS MATERIALS	Bricks & Pre-casted blocks	Dimension - Width	IS 1077
34	MECHANICAL- BUILDINGS MATERIALS	Bricks & Pre-casted blocks	Efflorescence	IS 3495 (Part 3)
35	MECHANICAL- BUILDINGS MATERIALS	Bricks & Pre-casted blocks	Water Absorption	IS 3495 (Part 2)
36	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks	Dimension - Length	IS 3952
37	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks	Dimension - Thickness	IS 3952
38	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks	Dimension - Width	IS 3952
39	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks	Efflorescence	IS 3495 (Part -3)

*This is annexure to 'Certificate of Accreditation' and does not require any signature.*



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-6832

**Page No**

3 of 12

**Validity**

08/12/2024 to 07/12/2028

**Last Amended on**

14/01/2025

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
40	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks for Walls and Partition	Crushing Strength	IS 3952
41	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks for Walls and Partition	Efflorescence Test	IS 3495 (Part 3)
42	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks for Walls and Partition	Height	IS 3952
43	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks for Walls and Partition	Length	IS 3952
44	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks for Walls and Partition	Water Absorption	IS 3952
45	MECHANICAL- BUILDINGS MATERIALS	Burnt Clay Hollow Bricks for Walls and Partition	Width	IS 3952
46	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Compressive Strength	IS 4031 (Part 6)
47	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Final Setting Time	IS 4031 (Part 5)
48	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Fineness by Dry Sieving	IS 4031(Part 1)
49	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Fineness, m <sup>2</sup> /kg	IS 4031 (Part 2)
50	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Initial Setting Time	IS 4031(Part 5)
51	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Normal Consistency	IS 4031(Part-5)
52	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Soundness by Autoclave Method	IS 4031 (Part 3)
53	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Soundness by Le Chatlier method	IS 4031 (Part 3)
54	MECHANICAL- BUILDINGS MATERIALS	Cement (Ordinary Portland Cement, Portland Pozzolona Cement, Portland Slag Cement)	Specific gravity by Le Chatlier flask	IS 4031 (Part 11)
55	MECHANICAL- BUILDINGS MATERIALS	Cement Concrete Flooring Tile	Water absorption	IS 1237
56	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Dimension Breadth	IS 13630 (Part-1)
57	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Dimension Length	IS 13630 (Part-1)
58	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Dimesion Thickness	IS 13630 (Part-1)
59	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Hardness	IS 13630 (Part-13)





# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

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

**Certificate Number** TC-6832

**Page No** 4 of 12

**Validity** 08/12/2024 to 07/12/2028

**Last Amended on** 14/01/2025

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
60	MECHANICAL- BUILDINGS MATERIALS	Ceramic Tile	Water absorption	IS 13630 (Part-11)
61	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Bulk Density (Loose/Rodded)	IS 2386 (Part 3)
62	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Crushing Value	IS 2386 (Part 4)
63	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Elongation Index	IS 2386 (Part 1)
64	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Flakiness Index	IS 2386 (Part 1)
65	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Impact Value	IS 2386 (Part 4)
66	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Sieve Analysis (80mm, 63mm, 40mm, 20mm, 16mm, 12.5mm, 10mm, 4.75mm, 2.36 mm)	IS 2386 (Part 1)
67	MECHANICAL- BUILDINGS MATERIALS	Coarse Aggregate	Specific Gravity	IS 2386 (Part 3)
68	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregate	Water absorption	IS 2386 (Part 3)
69	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	10% fine's value	IS 2386 (Part 4)
70	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Clay lumps	IS 2386 (Part 2)
71	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Particle finer than 75 micron	IS 2386(Part 1)
72	MECHANICAL- BUILDINGS MATERIALS	Coarse aggregates	Soundness test - Sodium Sulphate (Na <sub>2</sub> SO <sub>4</sub> )	IS 2386 (Part 5)
73	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow & Solid)	Block Density	IS 2185 (Part 1)
74	MECHANICAL- BUILDINGS MATERIALS	Concrete Blocks (Hollow & Solid)	Water Absorption	IS 2185 (Part 1)
75	MECHANICAL- BUILDINGS MATERIALS	Concrete blocks (Hollow/Solid)	Block Density	IS 2185 (Part 1)
76	MECHANICAL- BUILDINGS MATERIALS	Concrete blocks (Hollow/Solid)	Compressive Strength	IS 2185 (Part 1)
77	MECHANICAL- BUILDINGS MATERIALS	Concrete blocks (Hollow/Solid)	Dimension -Length	IS 2185 (Part 1)
78	MECHANICAL- BUILDINGS MATERIALS	Concrete blocks (Hollow/Solid)	Dimension-Height	IS 2185 (Part 1)



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-6832

**Page No**

5 of 12

**Validity**

08/12/2024 to 07/12/2028

**Last Amended on**

14/01/2025

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
79	MECHANICAL- BUILDINGS MATERIALS	Concrete blocks (Hollow/Solid)	Dimension-Width	IS 2185 (Part 1)
80	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Flexural Strength	IS 15658
81	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Split Tensile Strength	IS 15658
82	MECHANICAL- BUILDINGS MATERIALS	Concrete Paving Blocks	Water Absorption	IS 15658 :2021
83	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Bulk Density (Loose/Rodded)	IS 2386 (Part 3)
84	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Moisture Content	IS 2386 (Part 3)
85	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Sieve Analysis (10mm, 4.75mm, 2.36mm, 1.18mm, 0.6mm, 0.3mm, 0.15mm)	IS 2386 (Part 1)
86	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregate	Specific Gravity	IS 2386 (Part 3)
87	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Bulking Percentage	IS 2386 (Part 3)
88	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Clay lumps	IS 2386(Part 2)
89	MECHANICAL- BUILDINGS MATERIALS	Fine Aggregates	Particle finer than 75 micron	IS 2386 (Part 2)
90	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Silt content	IS 2386(Part 2)
91	MECHANICAL- BUILDINGS MATERIALS	Fine aggregates	Water absorption	IS 2386 (Part 3)
92	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness — Specific surface by Blaine's permeability method	IS 1727
93	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Compressive strength at 28 days	IS 1727
94	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness — Dry sieve Method (300 micron and 150 micron)	IS 1727
95	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Fineness by Wet Sieving Method (45 micron and 75 micron)	IS 1727
96	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Setting Time Final	IS 4031 (Part-5)
97	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Setting Time Initial	IS 4031 (Part-5)



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-6832

**Page No**

6 of 12

**Validity**

08/12/2024 to 07/12/2028

**Last Amended on**

14/01/2025

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
98	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness by autoclave test	IS 4031 (Part 3)
99	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Soundness Le-Chatelier Method	IS 4031 (Part-3)
100	MECHANICAL- BUILDINGS MATERIALS	Fly Ash	Specific Gravity	IS 1727
101	MECHANICAL- BUILDINGS MATERIALS	Fresh Concrete	Slump	IS 1199 (Part 2)
102	MECHANICAL- BUILDINGS MATERIALS	GRANULAR SUB BASE	Aggregate Impact value	IS: 2386 (Part 4)
103	MECHANICAL- BUILDINGS MATERIALS	GRANULAR SUB BASE	Elongation Index	IS: 2386 (Part 1)
104	MECHANICAL- BUILDINGS MATERIALS	GRANULAR SUB BASE	Flakiness Index	IS: 2386 (Part 1)
105	MECHANICAL- BUILDINGS MATERIALS	GRANULAR SUB BASE	Sieve Analysis (75mm, 53mm, 26.5mm, 9.5mm, 4.75mm, 2.36mm, 0.85mm, 0.425mm, 0.075mm)	IS 2386 (Part-1)
106	MECHANICAL- BUILDINGS MATERIALS	GRANULAR SUB BASE	Water Absorption	IS: 2386 part 3
107	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Compressive Strength	IS 516 (part 1/sec 1)
108	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Drying Shrinkage	IS 516 (part 6)
109	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Moisture Movement	IS 516 (part 6)
110	MECHANICAL- BUILDINGS MATERIALS	Hardened Cement Concrete	Water Absorption	BS 1881-122
111	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Cube Compressive Strength	IS 516 (Part 1/Sec 1)
112	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete	Drying Shrinkage	IS 516 (part 6)
113	MECHANICAL- BUILDINGS MATERIALS	Hardened Concrete Cube	Compressive Strength by accelerated curing method	IS 9013
114	MECHANICAL- BUILDINGS MATERIALS	High Strength deformed steel bars and wires	% Elongation	IS 1608 (Part 1)
115	MECHANICAL- BUILDINGS MATERIALS	High Strength deformed steel bars and wires	0.2% Proof Stress	IS 1608 (Part 1)
116	MECHANICAL- BUILDINGS MATERIALS	High Strength deformed steel bars and wires	Bend Test (Mandrel Diameter - 40mm, 50mm, 80mm)	IS 1599





# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-6832

**Page No**

7 of 12

**Validity**

08/12/2024 to 07/12/2028

**Last Amended on**

14/01/2025

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
117	MECHANICAL- BUILDINGS MATERIALS	High Strength deformed steel bars and wires	Rebend Test (Mandrel Diameter - 40mm, 50mm, 80mm)	IS 1786
118	MECHANICAL- BUILDINGS MATERIALS	High Strength deformed steel bars and wires	Tensile Strength	IS 1608 (Part 1)
119	MECHANICAL- BUILDINGS MATERIALS	High Strength deformed steel bars and wires	Weight / meter	IS 1786
120	MECHANICAL- BUILDINGS MATERIALS	High Strength deformed steel bars and wires	Yield Stress	IS 1608 (Part 1)
121	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Compressive Strength	IS 516 (part 1/sec 1)
122	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Efflorescence	IS 3495 (Part 3)
123	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Height	IS 5758
124	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Length	IS 5758
125	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Water Absorption	IS 5758
126	MECHANICAL- BUILDINGS MATERIALS	Kerb Stone	Width	IS 5758
127	MECHANICAL- BUILDINGS MATERIALS	Mild Steel / Hollow Steel Section	% Elongation	IS 1608 (Part 1)
128	MECHANICAL- BUILDINGS MATERIALS	Mild Steel / Hollow Steel Section	Bend Test (Mandrel Diameter - 40mm, 50mm, 80mm)	IS 1599
129	MECHANICAL- BUILDINGS MATERIALS	Mild Steel / Hollow Steel Section	Tensile Strength	IS 1608 (Part 1)
130	MECHANICAL- BUILDINGS MATERIALS	Mild Steel / Hollow Steel Section	Weight / meter	IS 808
131	MECHANICAL- BUILDINGS MATERIALS	Mild Steel / Hollow Steel Section	Yield Stress	IS 1608 (Part 1)
132	MECHANICAL- BUILDINGS MATERIALS	Paver blocks	Compressive Strength	IS 15658
133	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension-Length	IS 15658
134	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension-Thickness	IS 15658
135	MECHANICAL- BUILDINGS MATERIALS	Paver Blocks	Dimension-Width	IS 15658
136	MECHANICAL- BUILDINGS MATERIALS	Pressed Clay Tile(Burnt Clay Flat Terrancing Tiles)	Water absorption	IS 2690 (Part 1)

**This is annexure to 'Certificate of Accreditation' and does not require any signature.**



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-6832

**Page No**

8 of 12

**Validity**

08/12/2024 to 07/12/2028

**Last Amended on**

14/01/2025

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
137	MECHANICAL- BUILDINGS MATERIALS	Pulveized Fuel Ash-Lime Bricks (Fly Ash Bricks)	Compressive Strength	IS 3495 (Part-1)
138	MECHANICAL- BUILDINGS MATERIALS	Pulveized Fuel Ash-Lime Bricks (Fly Ash Bricks)	Dimension - Width	IS 12894
139	MECHANICAL- BUILDINGS MATERIALS	Pulveized Fuel Ash-Lime Bricks (Fly Ash Bricks)	Dimension - Length	IS 12894
140	MECHANICAL- BUILDINGS MATERIALS	Pulveized Fuel Ash-Lime Bricks (Fly Ash Bricks)	Dimension - Thickness	IS 12894
141	MECHANICAL- BUILDINGS MATERIALS	Pulveized Fuel Ash-Lime Bricks (Fly Ash Bricks)	Drying Shrinkage	IS 4139
142	MECHANICAL- BUILDINGS MATERIALS	Pulveized Fuel Ash-Lime Bricks (Fly Ash Bricks)	Efflorescence	IS 3495 ( Part III)
143	MECHANICAL- BUILDINGS MATERIALS	Pulveized Fuel Ash-Lime Bricks (Fly Ash Bricks)	Water Absorption	IS 3495 ( Part II)
144	MECHANICAL- BUILDINGS MATERIALS	Reinforcement coupler	Tensile Strength	IS 16172
145	MECHANICAL- BUILDINGS MATERIALS	Reinforcement coupler	Total elongation at maximum force	IS 16172
146	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Compressive strength at days as percent of control sample	IS 1727
147	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Oversize percent retained on 45 micron IS Sieve,	IS 1727
148	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Oversize percent retained on 45 micron IS Sieve, variation from average percent	IS 1727
149	MECHANICAL- BUILDINGS MATERIALS	Silica Fume	Specific surface	IS 1727
150	MECHANICAL- BUILDINGS MATERIALS	Timber & Plywood	Density (In Plywood)	IS:1734 (Part-I )
151	MECHANICAL- BUILDINGS MATERIALS	Timber & Plywood	Moisture Content	IS:1708(Part-I )
152	MECHANICAL- BUILDINGS MATERIALS	Timber & Plywood	Moisture Content (In Plywood)	IS:1734 (Part-I )
153	MECHANICAL- BUILDINGS MATERIALS	Timber & Plywood	Specific Gravity	IS:1708(Part-II )
154	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Agg. Impact value	IS: 2386 part 4-A3
155	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Elongation Index	IS: 2386 part 1 -A4
156	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Flakiness Index	IS: 2386 part 1 -A4

**This is annexure to 'Certificate of Accreditation' and does not require any signature.**





# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

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

**Certificate Number** TC-6832

**Page No** 9 of 12

**Validity** 08/12/2024 to 07/12/2028

**Last Amended on** 14/01/2025

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
157	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Determination of Modified compaction MDD	IS:2720 (Part -8)-
158	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Determination of Modified compaction OMC	IS:2720 (Part -8)
159	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Liquid Limit	IS :2720 (Part -5)
160	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Plastic Limit	IS :2720 (Part -5)
161	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Water Absorption	IS: 2386 part 3
162	MECHANICAL- BUILDINGS MATERIALS	Wet Mix Macadam	Sieve Analysis	IS: 2386 part 1-A3
163	MECHANICAL- SOIL AND ROCKS	Bentonite	Gel Formation Index	IS 6186
164	MECHANICAL- SOIL AND ROCKS	Bentonite	Liquid Limit	IS 2720 (Part 5)
165	MECHANICAL- SOIL AND ROCKS	Bentonite	Moisture Content	IS 6186
166	MECHANICAL- SOIL AND ROCKS	Bentonite	Plastic Limit	IS 2720 (Part 5)
167	MECHANICAL- SOIL AND ROCKS	Bentonite	Sand content	IS 6186
168	MECHANICAL- SOIL AND ROCKS	Bentonite	Swelling power	IS 6186
169	MECHANICAL- SOIL AND ROCKS	GRANULAR SUB BASE	Determination of Modified compaction MDD	IS 2720 (Part-8)
170	MECHANICAL- SOIL AND ROCKS	GRANULAR SUB BASE	Liquid Limit	IS 2720 (Part-5)
171	MECHANICAL- SOIL AND ROCKS	GRANULAR SUB BASE	Plastic Limit	IS 2720 (Part-5)
172	MECHANICAL- SOIL AND ROCKS	GRANULAR SUBBASE	Determination of Modified Compaction OMC	IS:2720 (Part-8)
173	MECHANICAL- SOIL AND ROCKS	Natural Stone	Apparent Specific Gravity	IS 1124
174	MECHANICAL- SOIL AND ROCKS	Natural Stone	Hardness by Moh's Scale	IS 13630 (Part 13)
175	MECHANICAL- SOIL AND ROCKS	Natural Stone	Porosity	IS 1124
176	MECHANICAL- SOIL AND ROCKS	Natural Stone	True Specific Gravity	IS 1122

**This is annexure to 'Certificate of Accreditation' and does not require any signature.**



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :**

FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

**Accreditation Standard**

ISO/IEC 17025:2017

**Certificate Number**

TC-6832

**Page No**

10 of 12

**Validity**

08/12/2024 to 07/12/2028

**Last Amended on**

14/01/2025

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
177	MECHANICAL- SOIL AND ROCKS	Natural Stone	Water Absorption	IS 1124
178	MECHANICAL- SOIL AND ROCKS	Rock & Stone	Density	IS 13030
179	MECHANICAL- SOIL AND ROCKS	Rock & Stone	Point Load Index	IS 8764
180	MECHANICAL- SOIL AND ROCKS	Rock & Stone	Porosity	IS 13030
181	MECHANICAL- SOIL AND ROCKS	Rock & Stone	Unconfined Compressive Strength (UCS)	IS 9143
182	MECHANICAL- SOIL AND ROCKS	Rock & Stone	Water Absorption	IS 1124
183	MECHANICAL- SOIL AND ROCKS	Rock & Stone	Water Content	IS 13030
184	MECHANICAL- SOIL AND ROCKS	Soil	California Bearing Ratio	IS 2720 (Part 16)
185	MECHANICAL- SOIL AND ROCKS	Soil	Coefficient of Consolidation (CV)	IS 2720 (Part 15)
186	MECHANICAL- SOIL AND ROCKS	Soil	Compression Index (CC)	IS 2720 (Part 15)
187	MECHANICAL- SOIL AND ROCKS	Soil	Free Swell Index	IS 2720 (Part 40)
188	MECHANICAL- SOIL AND ROCKS	Soil	Grain Size Analysis (0.075mm, 0.125mm, 0.212mm, 0.425mm, 1.18mm, 2.36mm, 4.75 mm)	IS 2720 (Part 4)
189	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction - Maximum Dry Density	IS 2720 (Part 8)
190	MECHANICAL- SOIL AND ROCKS	Soil	Heavy Compaction - Optimum Moisture Content	IS 2720 (Part 8)
191	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction - Maximum Dry Density	IS 2720 (Part 7)
192	MECHANICAL- SOIL AND ROCKS	Soil	Light Compaction - Optimum Moisture Content	IS 2720 (Part 7)
193	MECHANICAL- SOIL AND ROCKS	Soil	Liquid Limit	IS 2720 (Part 5)
194	MECHANICAL- SOIL AND ROCKS	Soil	Plastic Limit	IS 2720 (Part-5)
195	MECHANICAL- SOIL AND ROCKS	Soil	Specific Gravity	IS 2720 (Part 3/Sec1)



# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

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

**Certificate Number** TC-6832

**Validity** 08/12/2024 to 07/12/2028

**Page No** 11 of 12

**Last Amended on** 14/01/2025

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
196	MECHANICAL- SOIL AND ROCKS	Soil	Water Content	IS 2720 (Part 2)
197	MECHANICAL- SOIL AND ROCKS	Soils	Angle of Internal Friction (Q) (Direct Shear Test)	IS 2720 (Part-13)
198	MECHANICAL- SOIL AND ROCKS	Soils	Cohesion Value (C) (Direct Shear Test)	IS 2720 (Part-13)
199	MECHANICAL- SOIL AND ROCKS	Soils	Hydrometer analysis of Soil	IS 2720 (Part-4)
200	MECHANICAL- SOIL AND ROCKS	Soils	Shrinkage limit	IS 2720 (Part 6)
201	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Carbonation test	IS 516 (Part-5/Sec-3)
202	NON-DESTRUCTIVE- BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Half Cell Potential difference test	IS 516 (Part-5/Sec-2)





# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** FALCON INDUSTRIAL TESTING LABORATORY PRIVATE LTD., PLOT NO 181, ESTATE 2ND MAIN ROAD, BURMA COLONY, OMR ROAD, PERUNGUDI, CHENNAI, TAMIL NADU, INDIA

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

**Certificate Number** TC-6832

**Validity** 08/12/2024 to 07/12/2028

**Page No** 12 of 12

**Last Amended on** 14/01/2025

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
Site Testing				
1	MECHANICAL- SOIL AND ROCKS	GRANULAR SUB BASE	Field dry density by Sand Replacement Method	IS 2720 (Part-28)
2	MECHANICAL- SOIL AND ROCKS	GRANULAR SUB BASE	Field moisture content by Sand Replacement Method	IS 2720 (Part-28)
3	MECHANICAL- SOIL AND ROCKS	Soil	Field Dry Density by Core Cutter Method	IS 2720 (Part-29)
4	MECHANICAL- SOIL AND ROCKS	Soil	Field Dry Density by Sand Replacement Method	IS 2720 (Part 28)
5	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Rebound Hammer	IS 516 (Part-5/Sec-4)
6	NON-DESTRUCTIVE-BUILDING MATERIALS - REINFORCED CONCRETE STRUCTURES	Hardened Concrete	Ultrasonic Pulse Velocity	IS 516 (Part-5/Sec-1)