National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 1 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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	Building Facades	Air Infiltration Test	ASTM E283
2	MECHANICAL- BUILDINGS MATERIALS	Building Facades	Static Water Penetration Test	ASTM E331
3	MECHANICAL- BUILDINGS MATERIALS	Building Facades	Structural Performance Test	ASTM E330
4	MECHANICAL- BUILDINGS MATERIALS	Building Facades	Structural Proof Load Test	ASTM E330
5	MECHANICAL- BUILDINGS MATERIALS	Building Facades	Water penetration test by Cyclic pressure	AS/NZS 4284 (Clause 8.6)
6	MECHANICAL- BUILDINGS MATERIALS	Building Facades and Cladding Panel.	Fire Propagation Test	NFPA 285
7	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	AS/NZS 4284 CL 8.4
8	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	ASTM E283
9	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	BS EN 12153
10	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	CWCT - Standard test methods for building envelopes, Clause 6
11	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration & Exfiltration Test	BS EN 12152
12	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	AS/NZS 4284 (CL 8.4)
13	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	ASTM E283
14	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	BS EN 12153
15	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	CWCT - Standard test methods for building envelopes, Clause 5
16	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	BMU Restraint Test	AS/NZS 4284 (Clause 8.7)
17	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Dynamic Water Penetration Test	AAMA 501.1

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 2 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
18	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Dynamic Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 7
19	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Impact Test	CWCT - Standard test methods for building envelopes, Clause 15
20	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seal Degradation Test	AS/NZS 4284 (Clause 8.10)
21	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seismic Racking Test	AAMA 501.4
22	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seismic Racking Test	AS/NZS 4284 (Clause 8.9)
23	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seismic Racking Test	CWCT - Standard test methods for building envelopes, Clause 17
24	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	AS/NZS 4284 (CL 8.5)
25	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	ASTM E331
26	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	BS EN 12155
27	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 16
28	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static water Penetration Test - Classification	BS EN 12154
29	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	AS/NZS 4284 (Clause 8.3)
30	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	ASTM E330
31	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	BS EN 12179
32	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	CWCT - Standard test methods for building envelopes, Clause 11
33	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test - Classification	BS EN 13116
34	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	AS/NZS 4284 (Clause 8.8)

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 3 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
35	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	ASTM E330
36	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	BS EN 12179
37	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	CWCT - Standard test methods for building envelopes, Clause 12
38	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test - Classification	BS EN 13116
39	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Thermal Cyclic Test	AAMA 501.5
40	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Thermal Cyclic Test	CWCT - Standard test methods for building envelopes, Clause 18
41	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Vertical Inter-Story Movement Test	AAMA 501.7
42	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water penetration test by cyclic pressure	AS/NZS 4284 (Clause 8.6)
43	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water Penetration test by Cyclic Pressure	ASTM E547
44	MECHANICAL- BUILDINGS MATERIALS	Doors	Operating Force Test	BS EN 12046-1
45	MECHANICAL- BUILDINGS MATERIALS	Doors	Operating Force Test	ISO 9379
46	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Air Exfiltration Test	AS/NZS 4420.1
47	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Air Infiltration Test	AS/NZS 4420.1
48	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Deflection Test	AS/NZS 4420.1
49	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Mechanical Durability Test	BS EN 12400
50	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Operating Force Test	AS/NZS 4420.1 Clause 4.0
51	MECHANICAL- BUILDINGS MATERIALS	Doors and windows	Resistance to repeated opening and closing Test	BS EN 1191
52	MECHANICAL- BUILDINGS MATERIALS	Doors and windows	Resistance to repeated opening and closing Test	ISO 8274

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 4 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
53	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Ultimate Strength Test	AS/NZS 4420.1
54	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Verification of Air Penetration	ABNT NBR 10821
55	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Verification of resistance to uniformly distributed loads	ABNT NBR 10821
56	MECHANICAL- BUILDINGS MATERIALS	Doors and windows	Verification of water tightness	ABNT NBR 10821
57	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Water Penetration Resistant Test	AS/NZS 4420.1
58	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Dimension and Squareness Test	IS 16982 Clause 4.4
59	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Dimension and Squareness Test	IS 2553 part 1 Clause 5.2.2
60	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Edge Lift Test	IS 16982 Clause 4.7
61	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Edge Lift Test	IS 17004 CL 5.4
62	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Four Point Bending Test	IS 16982 Clause 4.6
63	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Four Point Bending Test	IS 17004 Clause 6.3
64	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Fragmentation test	IS 16982 Clause 4.5
65	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Fragmentation Test	IS 17004 Clause 6.1
66	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Local Distortion Test	IS 16982 Clause 4.7
67	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Local Distortion Test	IS 17004 Clause 5.5
68	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Measurement of Wave and Roller Wave	IS 16982 Clause 4.7
69	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Measurement of Wave and Roller Wave	IS 17004 Clause 5.3
70	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Measurement of Wave and Roller Wave	IS 2553 Part 1 Clause 5.2.4
71	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Overall Bow Test	IS 16982 Clause 4.7

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 5 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
72	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Overall Bow Test	IS 17004 Clause 5.2
73	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Surface Compression Test	IS 16982 Clause 4.5
74	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Surface Compression Test	IS 17004 Clause 6.5
75	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Thickness Test	IS 16982 Clause 4.3
76	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Thickness Test	IS 17004 Clause 5.1
77	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Bite Size Test	IS 17346 CL 5.1.5
78	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Climate Test	IS 17004 Clause 7.4
79	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Climate Test	IS 17346 Clause 5.2.2
80	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dew/Frost Point Measurement	IS 17004 Clause 7.4.1 & 4.4.2
81	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dew/Frost Point Measurement	IS 17346 Clause 5.2.1
82	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dimension and Squareness Test	IS 17004 Clause 5.1
83	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dimension and Squareness Test - Specification	IS 17346 Clause 5.1.1
84	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Displacement Test	IS 17346 CL 5.1.3
85	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Edge Strength Test	IS 17346
86	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Sealant Protrusion Test	IS 17346 CL 5.1.4
87	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Thickness Test	IS 17004 Clause 5.1
88	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Thickness Test - Specification	IS 17346 Clause 5.1.2
89	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Edge Displacement Test	IS 2553 Part 1 Clause 5.3.2.2
90	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Bake Test	IS 17004 Clause 7.1.2

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 6 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
91	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Bake Test	IS 2553 part 1 Clause 5.3.4
92	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Boil Test	IS 17004 Clause 7.1.1
93	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Boil Test	IS 2553 part 1 Clause 5.3.4
94	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Defects in the Central Area Test	IS 2553 Part 1 Clause 5.3.6
95	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Defects in the Central Area Test	IS 2553 Part 1 Clause 5.3.6.7
96	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Dimension and Squareness Test	IS 2553 part 1 Clause 5.3.2.1
97	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Fracture and Adhesion Test	IS 17004 Clause 6.2.2.1
98	MECHANICAL- BUILDINGS MATERIALS	laminated Glass	Fracture and Adhesion Test	IS 2553 part 1 Clause 5.3.5
99	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test with Condensation	IS 17004 Clause 7.2.1.1
100	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test with Condensation	IS 2553 Part 1 Clause 5.3.7
101	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test without Condensation	IS 17004 Clause 7.2.1.2
102	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test without Condensation	IS 2553 Part 1 Clause 5.3.7
103	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Light Stability Test	IS 17004 Clause 7.6
104	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Light Stability Test	IS 2553 Part 1 Clause 5.3.3
105	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Overall Bow Test	IS 17004 Clause 5.2
106	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Radiation Test	IS 17004 Clause 7.3
107	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Resistance to Human Impact Test	IS 17004 Clause 6.4
108	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Resistance to Human Impact Test	IS 2553 part 1 Clause 5.2.5.2
109	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Thickness Test	IS 14900 Clause 4.3.1

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 7 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
110	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Thickness Test	IS 17004 Clause 5.1
111	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Thickness Test	IS 2553 part 1 Clause 5.2.1
112	MECHANICAL- BUILDINGS MATERIALS	Laminated Test	Fracture and Adhesion Test	IS 17004 Clause 6.2.2
113	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Concentrated Load Test	ASTM E935 (Clause 10.6)
114	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Concentrated Load Test - Classification	ASTM E2358
115	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Pendulum Impact Test	ASTM E2353
116	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Pendulum Impact Test- Classification	ASTM E2358
117	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Shot Bag Traction Test	ASTM E2353
118	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Shot Bag Traction Test - Classification	ASTM E2358
119	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test	ASTM E935 (Clause 10.4)
120	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test - Classification	ASTM E2358
121	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test	ASTM E935 (Clause 10.5)
122	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test - Classification	ASTM E2358
123	MECHANICAL- BUILDINGS MATERIALS	Rollers of Doors and Windows	Durability Test	BS EN 13126-15 Clause 7.3
124	MECHANICAL- BUILDINGS MATERIALS	Rollers of Doors and Windows	Static Endurance test at ambient temperature	BS EN 13126-15 Clause 7.5
125	MECHANICAL- BUILDINGS MATERIALS	Roofing Sheet	Structural Performance Test	ASTM E1592
126	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Dimension and Squareness Test - Specification	IS 2553 part 1 Clause 5.2.2
127	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Edge Lift Test	IS 17004 CL 5.4
128	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Edge Lift Test - Specification	IS 2553 Part 1 Clause 5.2.4

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 8 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
129	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Four Point Bending Test	IS 17004 Clause 6.3
130	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Four Point Bending Test - Specification	IS 2553 part 1 Clause 5.2.7
131	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Fragmentation Test	IS 17004 Clause 6.1
132	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Fragmentation test - Specification	IS 2553 part 1 Clause 5.2.3
133	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Local Distortion Test	IS 17004 Clause 5.5
134	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Local Distortion Test - Specification	IS 2553 Part 1 Clause 5.2.4
135	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Measurement of Wave and Roller Wave	IS 17004 Clause 5.3
136	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Measurement of Wave and Roller Wave - Specification	IS 2553 Part 1 Clause 5.2.4
137	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Overall Bow Test	IS 17004 Clause 5.2
138	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Overall Bow Test - Specification	IS 2353 Part 1 Clause 5.2.4
139	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Human Impact Test	IS 17004 Clause 6.4
140	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Human Impact Test - Specification	IS 2553 part 1 Clause 5.2.5.2
141	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Shock Test	IS 17004 Clause 6.2.1
142	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Shock Test - Specification	IS 2553 part 1 Clause 5.2.5.1
143	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Surface Compression Test	IS 17004 Clause 6.5
144	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Surface Compression Test - Specification	IS 2553 part 1 Clause 5.2.6
145	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Thickness Test	IS 17004 Clause 5.1
146	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Thickness test - Specification	IS 14900 Clause 4.3.1
147	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Thickness test - Specification	IS 2553 part 1 Clause 5.2.1

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 9 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
148	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Additional Load Test	BS EN 13126-6
149	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Durability Test	BS EN 13126-6 Clause 7.5
150	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Ease of Sash movement test	BS EN 13126-6 Clause 7.9
151	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Friction Test	BS EN 13126-6 Clause 7.6
152	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Obstructed track test	BS EN 13126-6 Clause 7.7
153	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Parallelism Test	BS EN 13126-6
154	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Pull-in abuse test	BS EN 13126 Clause 7.8
155	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Pull-in Test	BS EN 13126-6 Clause 7.5
156	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Simulated negative pressure test	BS EN 13126-6 Clause 7.11
157	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Static Load Test	BS EN 13126-6 Clause 7.12
158	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	AS/NZS 4284 (Clause 8.4): 2008
159	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	ASTM E283
160	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	BSEN 1026
161	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	CWCT - Standard test methods for building envelopes, Clause 5
162	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration & Exfiltration Test - Classification	BSEN 12207
163	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	AS/NZS 4284 (Clause 8.4)
164	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	ASTM E283
165	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	BSEN 1026

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 10 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
166	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	CWCT - Standard test methods for building envelopes, Clause 5
167	MECHANICAL- BUILDINGS MATERIALS	Windows	Classification of mechanical properties - Operating force	BS EN 13115
168	MECHANICAL- BUILDINGS MATERIALS	Windows	Dynamic Water Penetration Test	AAMA 501.1
169	MECHANICAL- BUILDINGS MATERIALS	Windows	Dynamic Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 7
170	MECHANICAL- BUILDINGS MATERIALS	Windows	Operating Force Test	BS EN 12046-2
171	MECHANICAL- BUILDINGS MATERIALS	Windows	Seal Degradation Test	AS/NZS 4284 (Clause 8.10)
172	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	AS/NZS 4284 (Clause 8.5)
173	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	ASTM E331
174	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	BSEN 1027
175	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	BSEN 12208
176	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 6
177	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	AS/NZS 4284 (Clause 8.3)
178	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	ASTM E330
179	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	BSEN 12210
180	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	BSEN 12211
181	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	CWCT - Standard test methods for building envelopes, Clause 11
182	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	AS/NZS 4284 (Clause 8.8)

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 11 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
183	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	ASTM E330
184	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	BSEN 12211
185	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	CWCT - Standard test methods for building envelopes, Clause 12
186	MECHANICAL- BUILDINGS MATERIALS	Windows	Thermal Cyclic Test	AAMA 501.5
187	MECHANICAL- BUILDINGS MATERIALS	Windows	Thermal Cyclic Test	CWCT - Standard test methods for building envelopes, Clause 18
188	MECHANICAL- BUILDINGS MATERIALS	Windows	Water penetration test by Cyclic pressure	ASTM E547
189	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test Cyclic Pressure	AS/NZS 4284 (Clause 8.6)

SCOPE OF ACCREDITATION

Laboratory Name : WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-7687 **Page No** 12 of 13

Validity 22/09/2021 to 21/09/2023 **Last Amended on** 26/08/2022

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
Site Facility				
1	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	AAMA 503
2	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	ASTM E783
3	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	AAMA 503
4	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static water Penetration Test	ASTM E1105
5	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water Penetration Test	AAMA 501.2
6	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water Penetration Test - Hose Test	CWCT - Standard test methods for building envelopes, Clause 9
7	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water Penetration Test - Spray Bar Test	CWCT - Standard test methods for building envelopes, Clause 10
8	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Concentrated Load Test	ASTM E935 (Clause 10.6)
9	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Concentrated Load Test - Classification	ASTM E2358
10	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Shot Bag Traction Test	ASTM E2353
11	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Shot Bag Traction Test - Classification	ASTM E2358
12	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test	ASTM E935 (Clause 10.4)
13	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test - Classification	ASTM E2358
14	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test	ASTM E935 (Clause 10.5)
15	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test - Classification	ASTM E2358
16	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	AAMA 502
17	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	ASTM E783

SCOPE OF ACCREDITATION

Laboratory Name :	WINWALL TECHNOLOGY INDIA PRIVATE LIMITED, NO.567-A, S R KANDIGAI ROAD, GUMMIDIPOONDI, CHENNAI, THIRUVALLUR, TAMIL NADU, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7687	**Page No**	13 of 13
Validity	22/09/2021 to 21/09/2023	**Last Amended on**	26/08/2022

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
18	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	AAMA 502
19	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	ASTM E1105
20	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test	AAMA 501.2
21	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test - Hose Test	CWCT - Standard test methods for building envelopes, Clause 9
22	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test - Spray Bar Test	CWCT - Standard test methods for building envelopes, Clause 10