



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 15
Validity	22/09/2023 to 21/09/2025	Last Amended on	27/09/2023

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	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	Building Facades, Skylights	Cyclic Water Penetration Test	ASTM E547
8	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	AS/NZS 4284 CL 8.4
9	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	ASTM E283
10	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	BS EN 12153
11	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Exfiltration Test	CWCT - Standard test methods for building envelopes, Clause 6
12	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration & Exfiltration Test	BS EN 12152
13	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	AS/NZS 4284 (CL 8.4)
14	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	ASTM E283
15	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	BS EN 12153
16	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Air Infiltration Test	CWCT - Standard test methods for building envelopes, Clause 5
17	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	BMU Restraint Test	AS/NZS 4284 (Clause 8.7)



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18	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Dynamic Water Penetration Test	AAMA 501.1
19	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Dynamic Water Penetration test	BS EN 13050
20	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Dynamic Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 7
21	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Impact Test	CWCT - Standard test methods for building envelopes, Clause 15
22	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seal Degradation Test	AS/NZS 4284 (Clause 8.10)
23	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seismic Racking Test	AAMA 501.4
24	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seismic Racking Test	AS/NZS 4284 (Clause 8.9)
25	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seismic Racking Test	CWCT - Standard test methods for building envelopes, Clause 17
26	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Seismic Resistance Test	BS EN 13830
27	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	AS/NZS 4284 (CL 8.5)
28	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	ASTM E331
29	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	BS EN 12155
30	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 16
31	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Static water Penetration Test - Classification	BS EN 12154
32	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	AS/NZS 4284 (Clause 8.3)
33	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	ASTM E330
34	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	BS EN 12179



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35	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test	CWCT - Standard test methods for building envelopes, Clause 11
36	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Performance Test - Classification	BS EN 13116
37	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	AS/NZS 4284 (Clause 8.8)
38	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	ASTM E330
39	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	BS EN 12179
40	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test	CWCT - Standard test methods for building envelopes, Clause 12
41	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Structural Proof Load Test - Classification	BS EN 13116
42	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Thermal Cyclic Test	AAMA 501.5
43	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Thermal Cyclic Test	CWCT - Standard test methods for building envelopes, Clause 18
44	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Vertical Inter-Story Movement Test	AAMA 501.7
45	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water penetration test by cyclic pressure	AS/NZS 4284 (Clause 8.6)
46	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water Penetration test by Cyclic Pressure	ASTM E547
47	MECHANICAL- BUILDINGS MATERIALS	Doors	Operating Force Test	BS EN 12046-1
48	MECHANICAL- BUILDINGS MATERIALS	Doors	Operating Force Test	ISO 9379
49	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Air Exfiltration Test	AS/NZS 4420.1
50	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Air Infiltration Test	AS/NZS 4420.1
51	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Deflection Test	AS/NZS 4420.1
52	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Mechanical Durability Test	BS EN 12400



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53	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Operating Force Test	AS/NZS 4420.1 Clause 4.0
54	MECHANICAL- BUILDINGS MATERIALS	Doors and windows	Resistance to repeated opening and closing Test	BS EN 1191
55	MECHANICAL- BUILDINGS MATERIALS	Doors and windows	Resistance to repeated opening and closing Test	ISO 8274
56	MECHANICAL- BUILDINGS MATERIALS	Doors and windows	Seismic Racking Test	AAMA 501.4
57	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Ultimate Strength Test	AS/NZS 4420.1
58	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Verification of Air Penetration	ABNT NBR 10821
59	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Verification of resistance to uniformly distributed loads	ABNT NBR 10821
60	MECHANICAL- BUILDINGS MATERIALS	Doors and windows	Verification of water tightness	ABNT NBR 10821
61	MECHANICAL- BUILDINGS MATERIALS	Doors and Windows	Water Penetration Resistant Test	AS/NZS 4420.1
62	MECHANICAL- BUILDINGS MATERIALS	Espagnolettes	Durability Test	BS EN 13126-4
63	MECHANICAL- BUILDINGS MATERIALS	Finger Catches	Durability Test	EN 13126-7
64	MECHANICAL- BUILDINGS MATERIALS	Finger Catches	Static Load Test	BS EN 13126-7 CL 7.3
65	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Defects on Cut side	IS 14900 CL4.6
66	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Dimension and Squareness Test	IS 14900 CL 4.3.2 & 4.3.3
67	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Linear Faults	IS 14900
68	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Optical Faults	IS 14900 CL 4.4
69	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Spot Faults	IS 14900
70	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Test for Reams, Strings and Lines	IS 14900 CL4.5.2
71	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Thickness Test	IS 14900



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72	MECHANICAL- BUILDINGS MATERIALS	Float Glass	Visual Light Transmission Test	IS 14900
73	MECHANICAL- BUILDINGS MATERIALS	Glass Railing System	Concentrated Load Test	ASTM E2353 CL 12.2.6
74	MECHANICAL- BUILDINGS MATERIALS	Glass Railing System	Static Infill Load Test	ASTM E2353 CL 12.2.4
75	MECHANICAL- BUILDINGS MATERIALS	Glass Railing System	Uniform Load Test	ASTM E2353 CL 12.2.5
76	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Dimension and Squareness Test	IS 16982 Clause 4.4
77	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Dimension and Squareness Test	IS 2553 part 1 Clause 5.2.2
78	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Edge Lift Test	IS 16982 Clause 4.7
79	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Edge Lift Test	IS 17004 CL 5.4
80	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Four Point Bending Test	IS 16982 Clause 4.6
81	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Four Point Bending Test	IS 17004 Clause 6.3
82	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Fragmentation test	IS 16982 Clause 4.5
83	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Fragmentation Test	IS 17004 Clause 6.1
84	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Local Distortion Test	IS 16982 Clause 4.7
85	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Local Distortion Test	IS 17004 Clause 5.5
86	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Measurement of Wave and Roller Wave	IS 16982 Clause 4.7
87	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Measurement of Wave and Roller Wave	IS 17004 Clause 5.3
88	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Measurement of Wave and Roller Wave	IS 2553 Part 1 Clause 5.2.4
89	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Overall Bow Test	IS 16982 Clause 4.7
90	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Overall Bow Test	IS 17004 Clause 5.2



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91	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Surface Compression Test	IS 16982 Clause 4.5
92	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Surface Compression Test	IS 17004 Clause 6.5
93	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Thickness Test	IS 16982 Clause 4.3
94	MECHANICAL- BUILDINGS MATERIALS	Heat strengthened Glass	Thickness Test	IS 17004 Clause 5.1
95	MECHANICAL- BUILDINGS MATERIALS	Hinges	Durability Test	EN 1935 CL 7.5
96	MECHANICAL- BUILDINGS MATERIALS	Hinges	Shear Strength Test	BS EN 1935 CL7.4
97	MECHANICAL- BUILDINGS MATERIALS	Hinges	Static Load Test- Load Deformation Test	EN 1935 CL 7.3.2
98	MECHANICAL- BUILDINGS MATERIALS	Hinges	Static Load Test- Overload	BS EN 1935 CL 7.3.3
99	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Bite Size Test	IS 17346 CL 5.1.5
100	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Climate Test	IS 17004 Clause 7.4
101	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Climate Test	IS 17346 Clause 5.2.2
102	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Delta-T Test for Desiccant	IS 17346 CL
103	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dew/Frost Point Measurement	IS 17004 Clause 7.4.1 & 4.4.2
104	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dew/Frost Point Measurement	IS 17346 Clause 5.2.1
105	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dimension and Squareness Test	IS 17004 Clause 5.1
106	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Dimension and Squareness Test - Specification	IS 17346 Clause 5.1.1
107	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Displacement Test	IS 17346 CL 5.1.3
108	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Edge Strength Test	IS 17346
109	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Sealant Protrusion Test	IS 17346 CL 5.1.4



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110	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Shore-A Hardness Test	IS 17346 CL 6.1.5
111	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Thickness Test	IS 17004 Clause 5.1
112	MECHANICAL- BUILDINGS MATERIALS	Insulating Glazing Unit	Thickness Test - Specification	IS 17346 Clause 5.1.2
113	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Edge Displacement Test	IS 2553 Part 1 Clause 5.3.2.2
114	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Bake Test	IS 17004 Clause 7.1.2
115	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Bake Test	IS 2553 part 1 Clause 5.3.4
116	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Boil Test	IS 17004 Clause 7.1.1
117	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Boil Test	IS 2553 part 1 Clause 5.3.4
118	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Defects in the Central Area Test	IS 2553 Part 1 Clause 5.3.6
119	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Defects in the Central Area Test	IS 2553 Part 1 Clause 5.3.6.7
120	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Dimension and Squareness Test	IS 2553 part 1 Clause 5.3.2.1
121	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Fracture and Adhesion Test	IS 17004 Clause 6.2.2.1
122	MECHANICAL- BUILDINGS MATERIALS	laminated Glass	Fracture and Adhesion Test	IS 2553 part 1 Clause 5.3.5
123	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test with Condensation	IS 17004 Clause 7.2.1.1
124	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test with Condensation	IS 2553 Part 1 Clause 5.3.7
125	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test without Condensation	IS 17004 Clause 7.2.1.2
126	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Humidity Test without Condensation	IS 2553 Part 1 Clause 5.3.7
127	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Light Stability Test	IS 17004 Clause 7.6
128	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Light Stability Test	IS 2553 Part 1 Clause 5.3.3



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129	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Overall Bow Test	IS 17004 Clause 5.2
130	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Radiation Test	IS 17004 Clause 7.3
131	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Resistance to Human Impact Test	IS 17004 Clause 6.4
132	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Resistance to Human Impact Test	IS 2553 part 1 Clause 5.2.5.2
133	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Thickness Test	IS 14900 Clause 4.3.1
134	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Thickness Test	IS 17004 Clause 5.1
135	MECHANICAL- BUILDINGS MATERIALS	Laminated Glass	Thickness Test	IS 2553 part 1 Clause 5.2.1
136	MECHANICAL- BUILDINGS MATERIALS	Laminated Test	Fracture and Adhesion Test	IS 17004 Clause 6.2.2
137	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Concentrated Load Test	ASTM E935 (Clause 10.6)
138	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Concentrated Load Test - Classification	ASTM E2358
139	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Pendulum Impact Test	ASTM E2353
140	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Pendulum Impact Test- Classification	ASTM E2358
141	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Shot Bag Traction Test	ASTM E2353
142	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Shot Bag Traction Test - Classification	ASTM E2358
143	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test	ASTM E935 (Clause 10.4)
144	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test - Classification	ASTM E2358
145	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test	ASTM E935 (Clause 10.5)
146	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test - Classification	ASTM E2358
147	MECHANICAL- BUILDINGS MATERIALS	Precast Wall and Façade Panel	Water Penetration test by Static Pressure	IS 15916 CL 10.4.1



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148	MECHANICAL- BUILDINGS MATERIALS	Rollers of Doors and Windows	Durability Test	BS EN 13126-15 Clause 7.3
149	MECHANICAL- BUILDINGS MATERIALS	Rollers of Doors and Windows	Static Endurance test at ambient temperature	BS EN 13126-15 Clause 7.5
150	MECHANICAL- BUILDINGS MATERIALS	Roofing Sheet	Static Water Penetration Test	ASTM 1646
151	MECHANICAL- BUILDINGS MATERIALS	Roofing Sheet	Structural Performance Test	ASTM E1592
152	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and panels)	2260 Ball Impact	IS 2553 Part 2 CL 5.4.4 & 6.4
153	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and panes)	227g Ball Impact	IS 2553 Part 2 CL 5.4.5 & 6.3
154	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Fragmentation Test	IS 2553 Part 2 CL 5.51.1 & 6.2
155	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Head-Form Test	IS 2553 Part 2 CL 5.4.3 & 6.5
156	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Light Transmittance Test	IS 2553 Part 2 CL 5.1.1 & 6.11
157	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Optical Distortion	IS 2553 Part 2 CL 5.4.1 & 6.12
158	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Resistance to abrasion	IS 2553 Part 2 CL 5.1.2 & 6.6
159	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Resistance to High Temperatures	IS 2553 Part 2 CL 5.3.2 & 6.7
160	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Resistance to Humidity	IS 2553 Part 2 CL 5.3.3 & 6.9
161	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Resistance to Radiation	is 2553 Part 2 CL5.3.1 & 6.8
162	MECHANICAL- BUILDINGS MATERIALS	Safety Glass (Windscreens and Panes)	Secondary Image Separation	IS 2553 Part 2, CL 5.4.2 & 6.13
163	MECHANICAL- BUILDINGS MATERIALS	Skylights	Air Infiltration Test	ASTM E283
164	MECHANICAL- BUILDINGS MATERIALS	Skylights	Static Water Penetration Test	ASTM E331
165	MECHANICAL- BUILDINGS MATERIALS	Skylights	Structural Performance Test	ASTM E330
166	MECHANICAL- BUILDINGS MATERIALS	Skylights	Structural Proof Load Test	ASTM E330



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167	MECHANICAL- BUILDINGS MATERIALS	Skylights	Water penetration test by Cyclic Pressure	AS/NZS 4284 Clause 8.6
168	MECHANICAL- BUILDINGS MATERIALS	Stone Cladding	Structural Performance Test	ASTM C1201
169	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Dimension and Squareness Test - Specification	IS 2553 part 1 Clause 5.2.2
170	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Edge Lift Test	IS 17004 CL 5.4
171	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Edge Lift Test - Specification	IS 2553 Part 1 Clause 5.2.4
172	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Four Point Bending Test	IS 17004 Clause 6.3
173	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Four Point Bending Test - Specification	IS 2553 part 1 Clause 5.2.7
174	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Fragmentation Test	IS 17004 Clause 6.1
175	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Fragmentation test - Specification	IS 2553 part 1 Clause 5.2.3
176	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Local Distortion Test	IS 17004 Clause 5.5
177	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Local Distortion Test - Specification	IS 2553 Part 1 Clause 5.2.4
178	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Measurement of Wave and Roller Wave	IS 17004 Clause 5.3
179	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Measurement of Wave and Roller Wave - Specification	IS 2553 Part 1 Clause 5.2.4
180	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Overall Bow Test	IS 17004 Clause 5.2
181	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Overall Bow Test - Specification	IS 2353 Part 1 Clause 5.2.4
182	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Human Impact Test	IS 17004 Clause 6.4
183	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Human Impact Test - Specification	IS 2553 part 1 Clause 5.2.5.2
184	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Shock Test	IS 17004 Clause 6.2.1
185	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Resistance to Shock Test - Specification	IS 2553 part 1 Clause 5.2.5.1



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186	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Surface Compression Test	IS 17004 Clause 6.5
187	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Surface Compression Test - Specification	IS 2553 part 1 Clause 5.2.6
188	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Thickness Test	IS 17004 Clause 5.1
189	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Thickness test - Specification	IS 14900 Clause 4.3.1
190	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass	Thickness test - Specification	IS 2553 part 1 Clause 5.2.1
191	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Additional Load Test	BS EN 13126-6
192	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Durability Test	BS EN 13126-6 Clause 7.5
193	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Ease of Sash movement test	BS EN 13126-6 Clause 7.9
194	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Friction Test	BS EN 13126-6 Clause 7.6
195	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Obstructed track test	BS EN 13126-6 Clause 7.7
196	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Parallelism Test	BS EN 13126-6
197	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Pull-in abuse test	BS EN 13126 Clause 7.8
198	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Pull-in Test	BS EN 13126-6 Clause 7.5
199	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Simulated negative pressure test	BS EN 13126-6 Clause 7.11
200	MECHANICAL- BUILDINGS MATERIALS	Variable geometry stay hinges of Doors and windows	Static Load Test	BS EN 13126-6 Clause 7.12
201	MECHANICAL- BUILDINGS MATERIALS	Window Fastener Handles	Durability Test	BS EN 13126-2 CL7.6
202	MECHANICAL- BUILDINGS MATERIALS	Window Fastener Handles	Operating Torque Test	BS EN 13126-2 CL 7.2
203	MECHANICAL- BUILDINGS MATERIALS	Window Fastener Handles	Pull In Test	BS EN 13126-2 CL7.6
204	MECHANICAL- BUILDINGS MATERIALS	Window Fastener Handles	Stimulated Pressure Test	BS EN 13126-2 CL7.5



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205	MECHANICAL- BUILDINGS MATERIALS	Window Fastener Handles	Tensile Strength Test	BS EN 13126-2 CL7.4
206	MECHANICAL- BUILDINGS MATERIALS	Window Fastener Handles	Torsional Strength Test	BS EN 13126-2 CL7.3
207	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	AS/NZS 4284 (Clause 8.4): 2008
208	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	ASTM E283
209	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	BSEN 1026
210	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Exfiltration Test	CWCT - Standard test methods for building envelopes, Clause 5
211	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration & Exfiltration Test - Classification	BSEN 12207
212	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	AS/NZS 4284 (Clause 8.4)
213	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	ASTM E283
214	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	BSEN 1026
215	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	CWCT - Standard test methods for building envelopes, Clause 5
216	MECHANICAL- BUILDINGS MATERIALS	Windows	Classification of mechanical properties - Operating force	BS EN 13115
217	MECHANICAL- BUILDINGS MATERIALS	Windows	Dynamic Water Penetration Test	AAMA 501.1
218	MECHANICAL- BUILDINGS MATERIALS	Windows	Dynamic Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 7
219	MECHANICAL- BUILDINGS MATERIALS	Windows	Operating Force Test	BS EN 12046-2
220	MECHANICAL- BUILDINGS MATERIALS	Windows	Seal Degradation Test	AS/NZS 4284 (Clause 8.10)
221	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	AS/NZS 4284 (Clause 8.5)
222	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	ASTM E331



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223	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	BSEN 1027
224	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	BSEN 12208
225	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	CWCT - Standard test methods for building envelopes, Clause 6
226	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	AS/NZS 4284 (Clause 8.3)
227	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	ASTM E330
228	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	BSEN 12210
229	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	BSEN 12211
230	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Performance Test	CWCT - Standard test methods for building envelopes, Clause 11
231	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	AS/NZS 4284 (Clause 8.8)
232	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	ASTM E330
233	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	BSEN 12211
234	MECHANICAL- BUILDINGS MATERIALS	Windows	Structural Proof Load Test	CWCT - Standard test methods for building envelopes, Clause 12
235	MECHANICAL- BUILDINGS MATERIALS	Windows	Thermal Cyclic Test	AAMA 501.5
236	MECHANICAL- BUILDINGS MATERIALS	Windows	Thermal Cyclic Test	CWCT - Standard test methods for building envelopes, Clause 18
237	MECHANICAL- BUILDINGS MATERIALS	Windows	Water penetration test by Cyclic pressure	ASTM E547
238	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test Cyclic Pressure	AS/NZS 4284 (Clause 8.6)



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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 - Spray bar test	BS EN 13051
7	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water Penetration Test - Hose Test	CWCT - Standard test methods for building envelopes, Clause 9
8	MECHANICAL- BUILDINGS MATERIALS	Curtain Wall	Water Penetration Test - Spray Bar Test	CWCT - Standard test methods for building envelopes, Clause 10
9	MECHANICAL- BUILDINGS MATERIALS	Glass Railing System	Concentrated Load Test	ASTM E2353 CL 12.2.6
10	MECHANICAL- BUILDINGS MATERIALS	Glass Railing System	Static Infill Load Test	ASTM E2353 CL 12.2.4
11	MECHANICAL- BUILDINGS MATERIALS	Glass Railing System	Uniform Load Test	ASTM E2353 CL 12.2.5
12	MECHANICAL- BUILDINGS MATERIALS	Heat Strengthened Glass	Dimension and Squareness test	IS 16982
13	MECHANICAL- BUILDINGS MATERIALS	IGU Glass	Dimension and Squareness Test	IS 17346 Clause 5.1.1 & 5.1.1.2
14	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Concentrated Load Test	ASTM E935 (Clause 10.6)
15	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Concentrated Load Test - Classification	ASTM E2358
16	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing system	Shot Bag Traction Test	ASTM E2353
17	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Shot Bag Traction Test - Classification	ASTM E2358



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18	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test	ASTM E935 (Clause 10.4)
19	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Static Infill Load Test - Classification	ASTM E2358
20	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test	ASTM E935 (Clause 10.5)
21	MECHANICAL- BUILDINGS MATERIALS	Metal / Glass Railing System	Uniform Load Test - Classification	ASTM E2358
22	MECHANICAL- BUILDINGS MATERIALS	Precast Wall and Façade Panel	Water Penetration test by Static Pressure	IS 15916 CL 10.4.1
23	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass and Heat Strengthened Glass	Fragmentation Test	IS 17004 Clause 6.1
24	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass and Heat Strengthened Glass	Surface Compression Test	IS 17004 Clause 6.5
25	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass and Laminated Glass	Dimension and Squareness Test	IS 2553 Part 1 Clause 5.2.2
26	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass, Heat Strengthened Glass and Laminated Glass	Overall Bow Test	IS 17004 Clause 5.2
27	MECHANICAL- BUILDINGS MATERIALS	Toughened Glass, Heat Strengthened Glass, Laminated Glass and IGU glass	Thickness Test	IS 17004
28	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	AAMA 502
29	MECHANICAL- BUILDINGS MATERIALS	Windows	Air Infiltration Test	ASTM E783
30	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	AAMA 502
31	MECHANICAL- BUILDINGS MATERIALS	Windows	Static Water Penetration Test	ASTM E1105
32	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test	AAMA 501.2
33	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test - Hose Test	CWCT - Standard test methods for building envelopes, Clause 9
34	MECHANICAL- BUILDINGS MATERIALS	Windows	Water Penetration Test - Spray Bar Test	CWCT - Standard test methods for building envelopes, Clause 10