

Quality And Accreditation Institute

Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Alpha Test House Services LLP

Plot No. 124, Industrial Area, Phase 9, Mohali,
S.A.S Nagar-160062, Punjab, India

has been assessed and accredited in accordance with the Standard
ISO/IEC 17025:2017

“General Requirements for the Competence of Testing and Calibration Laboratories”
In the field of
Testing

This certificate remains valid for the Scope of Accreditation as specified
in the annexure subject to continued compliance to the above standard &
any other requirements specified by QAI.



QAI/CIA/TL/2024/0087

Valid from: 22 November 2024

Valid until: 21 November 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Prof. Vikram Kumar
Chair, CIA



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
1.	Plywood for general purposes	Grades and class	Cl. 4 of IS 303: 2024
2.	Plywood for general purposes	Types based on classification by appearance	Cl. 5 of IS 303: 2024
3.	Plywood for general purposes	Materials	Cl. 6 of IS 303: 2024
4.	Plywood for general purposes	Manufacture	Cl. 7 of IS 303: 2024
5.	Plywood for general purposes	Dimensions and tolerances	Cl. 8 of IS 303: 2024
6.	Plywood for general purposes	Workmanship and finish	Cl. 9 of IS 303: 2024
7.	Plywood for general purposes	Physical and mechanical requirements	Cl. 11 of IS 303: 2024
8.	Plywood	Test for adhesion of plies	IS 1734 (Part 5): 1983
9.	Plywood for general purposes	Glue adhesion	Cl. 11.3 of IS 303: 2024
10.	Plywood for general purposes	Water resistance test	Cl. 11.3.1 of IS 303: 2024
11.	Plywood for general purposes	Mycological test	Cl. 11.3.2 of IS 303: 2024
12.	Plywood	Mycological test	IS 1734 (Part 7): 1983
13.	Plywood for general purposes	Moisture content	Cl. 11.4 of IS 303: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
14.	Plywood	Determination of density and moisture content	IS 1734 (Part 1): 1983
15.	Plywood for general purposes	Static bending strength	Cl. 11.5 of IS 303: 2024
16.	Plywood	Determination of static bending strength	IS 1734 (Part 11): 1983
17.	Plywood	Determination of resistance to dry heat	IS 1734 (Part 2): 1983
18.	Plywood	Determination of fire resistance	IS 1734 (Part 3): 1983
19.	Plywood	Determination of glue shear strength	IS 1734 (Part 4) : 1983
20.	Plywood	Determination of water resistance	IS 1734 (Part 6) : 1983
21.	Plywood	Determination of tensile strength	IS 1734 (Part 9) : 1983
22.	Plywood	Determination of compressive strength	IS 1734 (Part 10) : 1983
23.	Plywood	Determination of static bending strength	IS 1734 (Part 11) : 1983
24.	Plywood	Determination of panel shear strength	IS 1734 (Part 13) : 1983
25.	Plywood	Determination of plate shear strength	IS 1734 (Part 14) : 1983

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
26.	Plywood	Impact resistance test	IS 1734 (Part 18) : 1983
27.	Plywood	Determination of nails and screw holding power	IS 1734 (Part 19) : 1983
28.	Plywood for general purposes	Additional requirements for eco-mark	Cl. 12 of IS 303: 2024
29.	Plywood for general purposes	Marking	Cl. 13 of IS 303: 2024
30.	Plywood for general purposes	Delivery	Cl. 14 of IS 303: 2024
31.	Plywood for concrete Shuttering works	Types	Cl. 4 of IS 4990: 2024
32.	Plywood for concrete Shuttering works	Materials	Cl. 5 of IS 4990: 2024
33.	Plywood for concrete Shuttering works	Manufacture	Cl. 6 of IS 4990: 2024
34.	Plywood for concrete Shuttering works	Dimensions and tolerances	Cl. 7 of IS 4990: 2024
35.	Plywood for concrete shuttering works	Workmanship and finish	Cl. 8 of IS 4990: 2024
36.	Plywood for concrete shuttering works	Moisture content	Cl. 10.3 of IS 4990: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
37.	Plywood for concrete shuttering works	Glue shear strength	Cl. 10.4.1 of IS 4990: 2024
38.	Plywood for concrete shuttering works	Adhesion of plies	Cl. 10.4.2 of IS 4990: 2024
39.	Plywood for concrete shuttering works	Resistance to water test	Cl. 10.5 of IS 4990: 2024
40.	Plywood for concrete shuttering works	Boiling test	Cl. 10.6 of IS 4990: 2024
41.	Plywood for concrete shuttering works	Mycological test	Cl. 10.7 of IS 4990: 2024
42.	Plywood for concrete shuttering works	Tensile strength	Cl. 10.8 of IS 4990: 2024
43.	Plywood for concrete shuttering works	Static bending strength	Cl. 10.9 of IS 4990: 2024
44.	Plywood for concrete shuttering works	Wet bending strength	Cl. 10.10 of IS 4990: 2024
45.	Plywood for concrete shuttering works	Retention of preservative	Cl. 10.11 of IS 4990: 2024
46.	Preservatives in treated. Timber and in treating solutions	Retention of preservative	IS 2753 (Part 1) : 1991
47.	Plywood for concrete shuttering works	Additional requirements for eco-mark	Cl. 11 of IS 4990: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
48.	Plywood for concrete shuttering works	Marking	Cl. 12 of IS 4990: 2024
49.	Plywood for concrete shuttering works	Edge straightness and squareness	ANNEX C of IS 4990: 2024
50.	Plywood for concrete shuttering works	Water resistance test	ANNEX D of IS 4990: 2024
51.	Marine plywood	Materials	Cl. 4 of IS 710: 2024
52.	Marine plywood	Manufacture	Cl. 5 of IS 710: 2024
53.	Marine plywood	Dimensions	Cl. 6 of IS 710: 2024
54.	Marine plywood	Workmanship and finish	Cl. 7 of IS 710: 2024
55.	Marine plywood	Moisture content	Cl. 9.3 of IS 710: 2024
56.	Marine plywood	Glue shear strength	Cl. 9.4.1 of IS 710: 2024
57.	Marine plywood	Adhesion of plies	Cl. 9.4.2 of IS 710: 2024
58.	Marine plywood	Water resistance test	Cl. 9.5 of IS 710: 2024
59.	Marine plywood	Tensile strength	Cl. 9.6 of IS 710: 2024
60.	Marine plywood	Mycological test	Cl. 9.7 of IS 710: 2024
61.	Marine plywood	Static bending strength	Cl. 9.8 of IS 710: 2024
62.	Marine plywood	Wet bending strength	Cl. 9.9 of IS 710: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
63.	Marine plywood	Retention of preservative	Cl. 9.10 of IS 710: 2024
64.	Marine plywood	Additional requirements for eco-mark	Cl. 10 of IS 710: 2024
65.	Marine plywood	Marking	Cl. 11 of IS 710: 2024
66.	Synthetic resin adhesives for plywood (phenolic and amino plastic)	Types	Cl. 4 of IS 848: 2006+ A1: 2007 + A2: 2011
67.	Synthetic resin adhesives for plywood (phenolic and amino plastic)	Cyclic Test	Cl. 7.3 of IS 848: 2006+ A1: 2007 + A2: 2011
68.	Synthetic resin adhesives for plywood (phenolic and amino plastic)	Marking	Cl. 9 of IS 848: 2006+ A1: 2007 + A2: 2011
69.	Synthetic resin adhesives for plywood (phenolic and amino plastic)	Preparation of test pieces	ANNEX - A of IS 848: 2006+ A1: 2007 + A2: 2011
70.	Veneered decorative plywood	Types	Cl. 4 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007
71.	Veneered decorative plywood	Materials	Cl. 5 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
72.	Veneered decorative plywood	Requirements	Cl. 7 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007
73.	Veneered decorative plywood	Designation of dimensions and tolerances	Cl. 8 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007
74.	Veneered decorative plywood	Finish	Cl. 9 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007
75.	Veneered decorative plywood	Moisture content	Cl. 11.1.1 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007
76.	Veneered decorative plywood	Water resistance test	Cl. 11.1.2 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007
77.	Veneered decorative plywood	Inspection and delivery	Cl. 12 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007
78.	Veneered decorative plywood	Marking	Cl. 13 of IS 1328: 1996 +A1:2000 +A2:2002 +A3:2005 +A4:2005 +A5:2006 +A7:2007



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
79.	Block boards	Grades and types	Cl. 4 of IS 1659: 2004 +A1:2009 +A2:2011
80.	Block boards	Materials	Cl. 5 of IS 1659: 2004 +A1:2009 +A2:2011
81.	Block boards	Dimensions and tolerances	Cl. 7 of IS 1659: 2004 +A1:2009 +A2:2011
82.	Block boards	Dimensional changes caused by humidity	Cl. 9.2.1 of IS 1659: 2004 +A1:2009 +A2:2011
83.	Block boards	Resistance to water	Cl. 9.2.2 of IS 1659: 2004 +A1:2009 +A2:2011
84.	Block boards	Adhesion of plies	Cl. 9.2.3 of IS 1659: 2004 +A1:2009 +A2:2011
85.	Block boards	Mycological test	Cl. 9.2.4 of IS 1659: 2004 +A1:2009 +A2:2011
86.	Block boards	Modulus of rupture and modulus of elasticity	Cl. 9.2.5 of IS 1659: 2004 +A1:2009 +A2:2011
87.	Block boards	Spot test	Cl. 9.2.6 of IS 1659: 2004 +A1:2009 +A2:2011
88.	Block boards	Additional requirements for eco-mark	Cl. 10 of IS 1659: 2004 +A1:2009 +A2:2011
89.	Block boards	Marking	Cl. 11 of IS 1659: 2004 +A1:2009 +A2:2011

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
90.	Block boards	Test for thickness and variation in thickness	ANNEX D of IS 1659: 2004 +A1:2009 +A2:2011
91.	Block boards	Test for determining dimensional changes caused by humidity	ANNEX E of IS 1659: 2004 +A1:2009 +A2:2011
92.	Block boards	Test for determining resistance to water	ANNEX F of IS 1659: 2004 +A1:2009 +A2:2011
93.	Block boards	Test for adhesion of plies	ANNEX G of IS 1659: 2004 +A1:2009 +A2:2011
94.	Block boards	Mycological test	ANNEX H of IS 1659: 2004 +A1:2009 +A2:2011
95.	Block boards	Test for modulus of rupture and modulus of elasticity	ANNEX J of IS 1659: 2004 +A1:2009 +A2:2011
96.	Block boards	Method for the determination of penetration and identification of preservative by spot test	ANNEX K of IS 1659: 2004 +A1:2009 +A2:2011
97.	Wooden flush door shutters (solid core type)	Grade, type and construction	Cl. 4 of IS 2202-2: 2022 +A1:2024
98.	Wooden flush door shutters (solid core type)	Sizes and tolerances	Cl. 5 of IS 2202-2: 2022 +A1:2024
99.	Wooden flush door shutters (solid core type)	Material	Cl. 6 of IS 2202-2: 2022 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
100.	Wooden flush door shutters (solid core type)	Construction	Cl. 7 of IS 2202-2: 2022 +A1:2024
101.	Wooden flush door shutters (solid core type)	Fittings	Cl. 8 of IS 2202-2: 2022 +A1:2024
102.	Wooden flush door shutters (solid core type)	Workmanship and finish	Cl. 9 of IS 2202-2: 2022 +A1:2024
103.	Wooden flush door shutters (solid core type)	End immersion tested	Cl. 10.2 of IS 2202-2: 2022 +A1:2024
104.	Wooden flush door shutters (solid core type)	Glue adhesion test	Cl. 10.3 of IS 2202-2: 2022 +A1:2024
105.	Wooden flush door shutters (solid core type)	Additional requirements for eco mark	Cl. 12 of IS 2202-2: 2022 +A1:2024
106.	Wooden flush door shutters (solid core type)	Marking	Cl. 13 of IS 2202-2: 2022 +A1:2024
107.	Medium density fibre boards for general purpose	Classification	Cl. 4 of IS 12406: 2021
108.	Medium density fibre boards for general purpose	Material	Cl. 5 of IS 12406: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
109.	Medium density fibre boards for general purpose	Finish	Cl. 7 of IS 12406: 2021
110.	Medium density fibre boards for general purpose	Dimensions and tolerances	Cl. 8 of IS 12406: 2021
111.	Medium density fibre boards for general purpose	Physical, mechanical and other requirements	Cl. 9 of IS 12406: 2021
112.	Medium density fibre boards for general purpose	Additional requirements for eco-mark	Cl. 11 of IS 12406: 2021
113.	Medium density fibre boards for general purpose	Marking	Cl. 13 of IS 12406: 2021
114.	Medium density fibre boards for general purpose	Method of test for edge straightness and squareness	ANNEX A of IS 12406: 2021
115.	Prelaminated medium density fibre board	Classification	Cl. 4 of IS 14587: 2023
116.	Prelaminated medium density fibre board	Materials	Cl. 5 of IS 14587: 2023
117.	Prelaminated medium density fibre board	Finish	Cl. 7 of IS 14587: 2023
118.	Prelaminated medium density fibre board	Dimensions and tolerances	Cl. 8 of IS 14587: 2023
119.	Prelaminated medium density fibre board	Physical, mechanical and other requirements	Cl. 9 of IS 14587: 2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
120.	Prelaminated medium density fibre board	Additional requirements for eco-mark	Cl. 11 of IS 14587: 2023
121.	Prelaminated medium density fibre board	Marking	Cl. 12 of IS 14587: 2023
122.	Prelaminated medium density fibre board	Method of test for edge straightness and squareness	ANNEX B of IS 14587: 2023
123.	Prelaminated medium density fibre board	Method of test for determining surface abrasion resistance	ANNEX C of IS 14587: 2023
124.	Prelaminated medium density fibre board	Method of test for determining surface resistance to steam	ANNEX D of IS 14587: 2023
125.	Prelaminated medium density fibre board	Method of test for determining resistance to cracking of lamination under heat	ANNEX E of IS 14587: 2023
126.	Prelaminated medium density fibre board	Method of test for determining resistance to cigarette burn	ANNEX F of IS 14587: 2023
127.	Prelaminated medium density fibre board	Method of test for determining resistance to stain	ANNEX G of IS 14587: 2023
128.	Wooden flush door shutters (cellular, hollow and tubular core type)	Grade, type and construction	Cl. 4 of IS 2191-1: 2022 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
129.	Wooden flush door shutters (cellular, hollow and tubular core type)	Sizes	Cl. 5 of IS 2191-1: 2022 +A1:2024
130.	Wooden flush door shutters (cellular, hollow and tubular core type)	Materials	Cl. 6 of IS 2191-1: 2022 +A1:2024
131.	Wooden flush door shutters (cellular, hollow and tubular core type)	Construction	Cl. 7 of IS 2191-1: 2022 +A1:2024
132.	Wooden flush door shutters (cellular, hollow and tubular core type)	Fittings	Cl. 8 of IS 2191-1: 2022 +A1:2024
133.	Wooden flush door shutters (cellular, hollow and tubular core type)	Workmanship and finish	Cl. 9 of IS 2191-1: 2022 +A1:2024
134.	Wooden flush door shutters (cellular, hollow and tubular core type)	Tests	Cl. 10 of IS 2191-1: 2022 +A1:2024
135.	Wooden flush door shutters (cellular, hollow and tubular core type)	Dimensions and squareness test	Cl. 11.1 of IS 2191-1: 2022 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
136.	Wooden flush door shutters (cellular, hollow and tubular core type)	General flatness test	Cl. 11.2 of IS 2191-1: 2022 +A1:2024
137.	Wooden flush door shutters (cellular, hollow and tubular core type)	Local planeness test	Cl. 11.3 of IS 2191-1: 2022 +A1:2024
138.	Wooden flush door shutters (cellular, hollow and tubular core type)	Impact indentation test	Cl. 11.4 of IS 2191-1: 2022 +A1:2024
139.	Wooden flush door shutters (cellular, hollow and tubular core type)	Flexure test	Cl. 11.5 of IS 2191-1: 2022 +A1:2024
140.	Wooden flush door shutters (cellular, hollow and tubular core type)	Edge loading test	Cl. 11.6 of IS 2191-1: 2022 +A1:2024
141.	Wooden flush door shutters (cellular, hollow and tubular core type)	Shock resistance test	Cl. 11.7 of IS 2191-1: 2022 +A1:2024
142.	Wooden flush door shutters (cellular, hollow and tubular core type)	Buckling resistance test	Cl. 11.8 of IS 2191-1: 2022 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
143.	Wooden flush door shutters (cellular, hollow and tubular core type)	Slamming test	Cl. 11.9 of IS 2191-1: 2022 +A1:2024
144.	Wooden flush door shutters (cellular, hollow and tubular core type)	Misuse test	Cl. 11.10 of IS 2191-1: 2022 +A1:2024
145.	Wooden flush door shutters (cellular, hollow and tubular core type)	Varying humidity test	Cl. 11.11 of IS 2191-1: 2022 +A1:2024
146.	Wooden flush door shutters (cellular, hollow and tubular core type)	End immersion test	Cl. 11.12 of IS 2191-1: 2022 +A1:2024
147.	Wooden flush door shutters (cellular, hollow and tubular core type)	Knife test	Cl. 11.13 of IS 2191-1: 2022 +A1:2024
148.	Wooden flush door shutters (cellular, hollow and tubular core type)	Glue adhesion test	Cl. 11.14 of IS 2191-1: 2022 +A1:2024
149.	Wooden flush door shutters (cellular, hollow and tubular core type)	Screw withdrawal resistance test	Cl. 11.15 of IS 2191-1: 2022 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
150.	Wooden flush door shutters (cellular, hollow and tubular core type)	Additional requirements for eco mark	Cl. 13 of IS 2191-1: 2022 +A1:2024
151.	Wooden flush door shutters (cellular, hollow and tubular core type)	Marking	Cl. 14 of IS 2191-1: 2022 +A1:2024
152.	Wooden flush door shutters (cellular, hollow and tubular core type)	Grade, type and construction	Cl. 4 of IS 2191-2: 2022 +A1:2024
153.	Wooden flush door shutters (cellular, hollow and tubular core type)	Sizes and tolerances	Cl. 5 of IS 2191-2: 2022 +A1:2024
154.	Wooden flush door shutters (cellular, hollow and tubular core type)	Material	Cl. 6 of IS 2191-2: 2022 +A1:2024
155.	Wooden flush door shutters (cellular, hollow and tubular core type)	Construction	Cl. 7 of IS 2191-2: 2022 +A1:2024
156.	Wooden flush door shutters (cellular, hollow and tubular core type)	Fittings	Cl. 8 of IS 2191-2: 2022 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
157.	Wooden flush door shutters (cellular, hollow and tubular core type)	Workmanship and finish	Cl. 9 of IS 2191-2: 2022 +A1:2024
158.	Wooden flush door shutters (cellular, hollow and tubular core type)	End immersion test	Cl. 10.2 of IS 2191-2: 2022 +A1:2024
159.	Wooden flush door shutters (cellular, hollow and tubular core type)	Glue adhesion test	Cl. 10.3 of IS 2191-2: 2022 +A1:2024
160.	Wooden flush door shutters (cellular, hollow and tubular core type)	Additional requirements for eco mark	Cl. 12 of IS 2191-2: 2022 +A1:2024
161.	Wooden flush door shutters (cellular, hollow and tubular core type)	Marking	Cl. 13 of IS 2191-2: 2022 +A1:2024
162.	Door shutters	Measurement of dimensions and squareness	IS 4020 (Part 2): 1998 +A1: 2011
163.	Door shutters	Measurement of general flatness	IS 4020 (Part 3): 1998 +A1:2011
164.	Door shutters	Local planeness test	IS 4020 (Part 4): 1998 +A1:2011
165.	Door shutters	Impact indentation test	IS 4020 (Part 5): 1998
166.	Door shutters	Edge loading test	IS 4020 (Part 7): 1998 +A1:2011

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
167.	Door shutters	Shock resistance test	IS 4020 (Part 8): 1998
168.	Door shutters	Buckling resistance test	IS 4020 (Part 9): 1998
169.	Door shutters	Slamming test	IS 4020 (Part 10): 1998
170.	Door shutters	Misuse test	IS 4020 (Part 11): 1998
171.	Door shutters	Varying humidity test	IS 4020 (Part 12): 1998
172.	Door shutters	End immersion test	IS 4020 (Part 13): 1998
173.	Door shutters	Knife test	IS 4020 (Part 14): 1998
174.	Door shutters	Glue adhesion test	IS 4020 (Part 15): 1998
175.	Door shutters	Screw withdrawal resistance test	IS 4020 (Part 16): 1998
176.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Classes and types	Cl. 4 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
177.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Materials	Cl. 5 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
178.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Manufacture	Cl. 6 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
179.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Finish	Cl. 7 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
180.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Dimensions and tolerances	Cl. 8 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
181.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Physical characteristics	Cl. 9 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
182.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test specimens and number of tests	Cl. 10.2 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
183.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Criteria for conformity	Cl. 10.3 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
184.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Accuracy of dimensions of boards	Cl. 11.2 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
185.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for density	Cl. 11.3 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
186.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for moisture content	Cl. 11.4 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
187.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for water absorption	Cl. 11.5 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
188.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for swelling water	Cl. 11.6 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
189.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for swelling due to surface absorption	Cl. 11.7 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
190.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for modulus of rupture and modulus of elasticity	Cl. 11.8 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
191.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for tensile strength perpendicular to surface	Cl. 11.9 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
192.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for screw withdrawal strength	Cl. 11.10 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
193.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Additional requirements for eco mark	Cl. 12 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
194.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Marking	Cl. 13 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
195.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Storage and working of wood particle boards	ANNEX B of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
196.	Veneered particle boards	Grades and types	Cl. 4 of IS 3097: 2006
197.	Veneered particle boards	Material	Cl. 5 of IS 3097: 2006
198.	Veneered particle boards	Manufacture	Cl. 6 of IS 3097: 2006
199.	Veneered particle boards	Dimensions and tolerances	Cl. 7 of IS 3097: 2006
200.	Veneered particle boards	Determination of density	Cl. 9.1 a) of IS 3097: 2006
201.	Veneered particle boards	Determination of moisture content	Cl. 9.1 b) of IS 3097: 2006
202.	Veneered particle boards	Water absorption	Cl. 9.1 c) of IS 3097: 2006
203.	Veneered particle boards	Water resistance test	Cl. 9.1 d) of IS 3097: 2006
204.	Veneered particle boards	Determination of swelling in water	Cl. 9.1 e) of IS 3097: 2006
205.	Veneered particle boards	Adhesion of plies	Cl. 9.1 f) of IS 3097: 2006
206.	Veneered particle boards	Modulus of rupture (MOR) and modulus of elasticity (MOE)	Cl. 9.1 g) of IS 3097: 2006

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
207.	Veneered particle boards	Determination of deflection under sustained load (long time loading test)	Cl. 9.1 h) of IS 3097: 2006
208.	Veneered particle boards	Additional requirements for eco mark	Cl. 10 of IS 3097: 2006
209.	Veneered particle boards	Marking	Cl. 11 of IS 3097: 2006
210.	Veneered particle boards	Method of test for edge straightness and squareness	ANNEX C of IS 3097: 2006
211.	Method of test for wood particle boards and boards from other lignocellulosic material	Preparation and conditioning of test specimens	IS 2380 (Part 1): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
212.	Method of test for wood particle boards and boards from other lignocellulosic material	Accuracy of dimensions of boards	IS 2380 (Part 2): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
213.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of moisture of content and density	IS 2380 (Part 3): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
214.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of static bending strength (modulus of rupture and modulus of elasticity in bending)	IS 2380 (Part 4): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
215.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of tensile strength perpendicular to surface	IS 2380 (Part 5): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
216.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of tensile strength parallel to surface	IS 2380 (Part 6): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
217.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of compression perpendicular to plane of the board	IS 2380 (Part 7): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
218.	Method of test for wood particle boards and boards from other lignocellulosic material	Compression parallel to surface test	IS 2380 (Part 8): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
219.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of resistance to shear in plane of the board	IS 2380 (Part 9): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
220.	Method of test for wood particle boards and boards from other lignocellulosic material	Falling hammer impact test	IS 2380 (Part 10): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
221.	Method of test for wood particle boards and boards from other lignocellulosic material	Surface hardness	IS 2380 (Part 11): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
222.	Method of test for wood particle boards and boards from other lignocellulosic material	Central loading of plate test	IS 2380 (Part 12): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
223.	Method of test for wood particle boards and boards from other lignocellulosic material	Long time loading bending test	IS 2380 (Part 13): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
224.	Method of test for wood particle boards and boards from other lignocellulosic material	Screw and nail withdrawal test	IS 2380 (Part 14): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
225.	Method of test for wood particle boards and boards from other lignocellulosic material	Lateral nail resistance	IS 2380 (Part 15): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
226.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of water absorption	IS 2380 (Part 16): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
227.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of swelling in water	IS 2380 (Part 17): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
228.	Method of test for wood particle boards and boards from other lignocellulosic material	Determination of mass and dimensional changes caused by moisture changes	IS 2380 (Part 18): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
229.	Method of test for wood particle boards and boards from other lignocellulosic material	Durability cycle test for interior use	IS 2380 (Part 19): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
230.	Method of test for wood particle boards and boards from other lignocellulosic material	Accelerated weathering cycle test for exterior use	IS 2380 (Part 20): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
231.	Method of test for wood particle boards and boards from other lignocellulosic material	Planeness test under uniform moisture content	IS 2380 (Part 21): 1977 +A1:1980 +A2:1984 +A3:1993 +A4:1998
232.	Prelaminated particle boards from wood and other lignocellulosic material	Grades and types	Cl.4 of IS 12823: 2015 +A1:2018
233.	Prelaminated particle boards from wood and other lignocellulosic material	Materials	Cl.5 of IS 12823: 2015 +A1:2018



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
234.	Prelaminated particle boards from wood and other lignocellulosic material	Manufacture	Cl.6 of IS 12823: 2015 +A1:2018
235.	Prelaminated particle boards from wood and other lignocellulosic material	Finish	Cl.7 of IS 12823: 2015 +A1:2018
236.	Prelaminated particle boards from wood and other lignocellulosic material	Dimensions and tolerances	Cl.8 of IS 12823: 2015 +A1:2018
237.	Prelaminated particle boards from wood and other lignocellulosic material	Test for density	Cl.10.2 of IS 12823: 2015 +A1:2018
238.	Prelaminated particle boards from wood and other lignocellulosic material	Test for moisture content	Cl.10.3 of IS 12823: 2015 +A1:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
239.	Prelaminated particle boards from wood and other lignocellulosic material	Test for water absorption	Cl.10.4 of IS 12823: 2015 +A1:2018
240.	Prelaminated particle boards from wood and other lignocellulosic material	Test for swelling in water	Cl.10.5 of IS 12823: 2015 +A1:2018
241.	Prelaminated particle boards from wood and other lignocellulosic material	Test for modulus of rupture (MOR) and modulus of elasticity (MOE)	Cl.10.6 of IS 12823: 2015 +A1:2018
242.	Prelaminated particle boards from wood and other lignocellulosic material	Test for tensile strength perpendicular to surface	Cl.10.7 of IS 12823: 2015 +A1:2018
243.	Prelaminated particle boards from wood and other lignocellulosic material	Test for tensile strength perpendicular to surface after ageing	Cl.10.8 of IS 12823: 2015 +A1:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
244.	Prelaminated particle boards from wood and other lignocellulosic material	Test for screw withdrawal strength	Cl.10.9 of IS 12823: 2015 +A1:2018
245.	Prelaminated particle boards from wood and other lignocellulosic material	Test for abrasion resistance	Cl.10.10 of IS 12823: 2015 +A1:2018
246.	Prelaminated particle boards from wood and other lignocellulosic material	Test for resistance to steam	Cl.10.11 of IS 12823: 2015 +A1:2018
247.	Prelaminated particle boards from wood and other lignocellulosic material	Test for crack resistance	Cl.10.12 of IS 12823: 2015 +A1:2018
248.	Prelaminated particle boards from wood and other lignocellulosic material	Test for resistance to cigarette burn	Cl.10.13 of IS 12823: 2015 +A1:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
249.	Prelaminated particle boards from wood and other lignocellulosic material	Test for resistance to stain	Cl.10.14 of IS 12823: 2015 +A1:2018
250.	Prelaminated particle boards from wood and other lignocellulosic material	Additional requirements for eco-mark	Cl.11 of IS 12823: 2015 +A1:2018
251.	Prelaminated particle boards from wood and other lignocellulosic material	Marking	Cl.12 of IS 12823: 2015 +A1:2018
252.	Prelaminated particle boards from wood and other lignocellulosic material	Method of test for edge straightness and squareness	ANNEX B of IS 12823: 2015 +A1:2018
253.	Prelaminated particle boards from wood and other lignocellulosic material	Method of test for determining surface abrasion resistance	ANNEX C of IS 12823: 2015 +A1:2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
254.	Prelaminated particle boards from wood and other lignocellulosic material	Method of determining surface resistance to steam	ANNEX D of IS 12823: 2015 +A1:2018
255.	Prelaminated particle boards from wood and other lignocellulosic material	Method of test for determining resistance to cracking of lamination under heat	ANNEX E of IS 12823: 2015 +A1:2018
256.	Prelaminated particle boards from wood and other lignocellulosic material	Method of test for determining resistance to cigarette burn	ANNEX F of IS 12823: 2015 +A1:2018
257.	Prelaminated particle boards from wood and other lignocellulosic material	Method of test for determining resistance to stain	ANNEX G of IS 12823: 2015 +A1:2018
258.	Wooden flush door shutters (solid core type)	Grade, type and construction	Cl. 4 of IS 2202 (Part 1):2023 +A1:2024
259.	Wooden flush door shutters (solid core type)	Sizes	Cl. 5 of IS 2202 (Part 1):2023 +A1:2024
260.	Wooden flush door shutters (solid core type)	Material	Cl. 6 of IS 2202 (Part 1):2023 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
261.	Wooden flush door shutters (solid core type)	Construction	Cl. 7 of IS 2202 (Part 1):2023 +A1:2024
262.	Wooden flush door shutters (solid core type)	Fittings	Cl. 8 of IS 2202 (Part 1):2023 +A1:2024
263.	Wooden flush door shutters (solid core type)	Workmanship and finish	Cl. 9 of IS 2202 (Part 1):2023 +A1:2024
264.	Wooden flush door shutters (solid core type)	Tests	Cl. 10 of IS 2202 (Part 1):2023 +A1:2024
265.	Wooden flush door shutters (solid core type)	Dimensions and squareness test	Cl. 11.1 of IS 2202 (Part 1):2023 +A1:2024
266.	Wooden flush door shutters (solid core type)	General flatness test	Cl. 11.2 of IS 2202 (Part 1):2023 +A1:2024
267.	Wooden flush door shutters (solid core type)	Local planeness test	Cl. 11.3 of IS 2202 (Part 1):2023 +A1:2024
268.	Wooden flush door shutters (solid core type)	Impact indentation test	Cl. 11.4 of IS 2202 (Part 1):2023 +A1:2024
269.	Wooden flush door shutters (solid core type)	Flexure test	Cl. 11.5 of IS 2202 (Part 1):2023 +A1:2024
270.	Wooden flush door shutters (solid core type)	Edge loading test	Cl. 11.6 of IS 2202 (Part 1):2023 +A1:2024
271.	Wooden flush door shutters (solid core type)	Shock resistance test	Cl. 11.7 of IS 2202 (Part 1):2023 +A1:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
272.	Wooden flush door shutters (solid core type)	Buckling resistance test	Cl. 11.8 of IS 2202 (Part 1):2023 +A1:2024
273.	Wooden flush door shutters (solid core type)	Slamming test	Cl. 11.9 of IS 2202 (Part 1):2023 +A1:2024
274.	Wooden flush door shutters (solid core type)	Misuse test	Cl. 11.10 of IS 2202 (Part 1):2023 +A1:2024
275.	Wooden flush door shutters (solid core type)	Varying humidity test	Cl. 11.11 of IS 2202 (Part 1):2023 +A1:2024
276.	Wooden flush door shutters (solid core type)	End immersion test	Cl. 11.12 of IS 2202 (Part 1):2023 +A1:2024
277.	Wooden flush door shutters (solid core type)	Knife test	Cl. 11.13 of IS 2202 (Part 1):2023 +A1:2024
278.	Wooden flush door shutters (solid core type)	Glue adhesion test	Cl. 11.14 of IS 2202 (Part 1):2023 +A1:2024
279.	Wooden flush door shutters (solid core type)	Screw withdrawal resistance test	Cl. 11.15 of IS 2202 (Part 1):2023 +A1:2024
280.	Structural plywood	Material	Cl. 4 of IS 10701: 2012
281.	Structural plywood	Plywood	Cl. 5 of IS 10701: 2012
282.	Structural plywood	Treatment	Cl. 6 of IS 10701: 2012
283.	Structural plywood	Manufacture	Cl. 7 of IS 10701: 2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
284.	Structural plywood	Dimensions and tolerances	Cl. 8 of IS 10701: 2012
285.	Structural plywood	Workmanship and finish	Cl. 9 of IS 10701: 2012
286.	Structural plywood	Moisture content	Cl. 11.2 of IS 10701: 2012
287.	Structural plywood	Glue shear strength in dry state	Cl. 11.3 of IS 10701: 2012
288.	Structural plywood	Resistance to water	Cl. 11.4 of IS 10701: 2012
289.	Structural plywood	Resistance to micro-organisms	Cl. 11.5 of IS 10701: 2012
290.	Structural plywood	Tensile strength	Cl. 11.6 of IS 10701: 2012
291.	Structural plywood	Tests for compressive strength, bending strength (modulus of elasticity and modulus of rupture), panel shear strength, plate shear strength (modulus of rigidity) and rolling shear strength	Cl. 11.7 of IS 10701: 2012
292.	Structural plywood	Wet bending strength	Cl. 11.8 of IS 10701: 2012
293.	Structural plywood	Retention of preservative	Cl. 11.9 of IS 10701: 2012
294.	Structural plywood	Marking	Cl. 12 of IS 10701: 2012

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
295.	Structural plywood	Method of test for edge straightness and squareness	ANNEX C of IS 10701: 2012
296.	Structural plywood	Alternate method for water resistance test	ANNEX D of IS 10701: 2012
297.	Structural plywood	Method for determine the rolling shear strength of plywood for structural purposes	ANNEX E of IS 10701: 2012
298.	Fire retardant plywood	Flame retardants	Cl. 4 of IS 5509: 2021
299.	Fire retardant plywood	Preparation for treatment	Cl. 5 of IS 5509: 2021
300.	Fire retardant plywood	Fire retardant treatment	Cl. 6 of IS 5509: 2021
301.	Fire retardant plywood	Conditioning after treatment	Cl. 7 of IS 5509: 2021
302.	Fire retardant plywood	Dimensions and tolerance	Cl. 8 of IS 5509: 2021
303.	Fire retardant plywood	Workmanship and finish	Cl. 9 of IS 5509: 2021
304.	Fire retardant plywood	Test specimen and number of tests	Cl. 11 of IS 5509: 2021
305.	Fire retardant plywood	Test requirements	Cl. 12 of IS 5509: 2021

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
306.	Fire retardant plywood	Additional requirements for eco-mark	Cl. 13 of IS 5509: 2021
307.	Fire retardant plywood	Marking	Cl. 14 of IS 5509: 2021
308.	Fire retardant plywood	Method of test for edge straightness and squareness	ANNEX A of IS 5509: 2021



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
1.	Safety glass- specification	Types	Cl. 4 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
2.	Safety glass- specification	General	Cl. 5.1 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
3.	Safety glass- specification	Thickness	Cl. 5.2.1 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
4.	Safety glass- specification	Dimensions and squareness	Cl. 5.2.2 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
5.	Safety glass- specification	Fragmentation test	Cl. 5.2.3 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
6.	Safety glass- specification	Flatness	Cl. 5.2.4 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
7.	Safety glass- specification	Resistance to impact	Cl. 5.2.5 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
8.	Safety glass- specification	Fabrication in glass	Cl. 5.2.8 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
9.	Safety glass- specification	Edge working of glass for toughening	Cl. 5.2.9 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
10.	Safety glass- specification	Thickness	Cl. 5.3.1 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
11.	Safety glass- specification	Dimensions, squareness and edge displacement	Cl. 5.3.2 of IS 2553 (Part 1): 2018
12.	Safety glass- specification	Light stability test	Cl. 5.3.3 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
13.	Safety glass- specification	Boil and bake tests	Cl. 5.3.4 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
14.	Safety glass- specification	Fracture and adhesion test	Cl. 5.3.5 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
15.	Safety glass- specification	Defects in the central area	Cl. 5.3.6 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
16.	Safety glass- specification	Resistance to human impact test	Cl. 5.3.8 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
17.	Safety glass- specification	Working on glass after lamination	Cl. 5.3.9 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
18.	Safety glass- specification	Packing and marking	Cl. 6 of IS 2553 (Part 1): 2018 +A1:2022 +A2:2024
19.	Safety glass- specification	General requirements	Cl. 4 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
20.	Safety glass- specification	Markings	Cl. 4.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
21.	Safety glass- specification	Light transmittance test	Cl. 5.1.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
22.	Safety glass- specification	Test of resistance to abrasion	Cl. 5.1.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
23.	Safety glass- specification	Test of resistance to temperature changes	Cl. 5.2.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
24.	Safety glass- specification	Test of resistance to fire	Cl. 5.2.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
25.	Safety glass- specification	Test of resistance to radiation	Cl. 5.3.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
26.	Safety glass- specification	Test of resistance to high temperature	Cl. 5.3.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
27.	Safety glass- specification	Test of resistance to humidity	Cl. 5.3.3 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
28.	Safety glass- specification	Optical distortion test	Cl. 5.4.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
29.	Safety glass- specification	Secondary image separation test	Cl. 5.4.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
30.	Safety glass- specification	Head-form test on windscreens	Cl. 5.4.3 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
31.	Safety glass- specification	2.260 g ball test	Cl. 5.4.4 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
32.	Safety glass- specification	227 g ball test	Cl. 5.4.5 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
33.	Safety glass- specification	Fragmentation test	Cl. 5.5.1.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
34.	Safety glass- specification	227 g ball test	Cl. 5.5.1.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
35.	Safety glass- specification	227 g ball test	Cl. 5.5.2.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
36.	Safety glass- specification	Individual components	Cl. 5.5.3.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
37.	Safety glass- specification	Head-form test	Cl. 5.5.3.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
38.	Safety glass- specification	Head-form test	Cl. 5.6.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
39.	Safety glass- specification	Mechanical strength test — 227g ball	Cl. 5.6.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
40.	Safety glass- specification	Flexibility and fold test	Cl. 5.6.3 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
41.	Safety glass- specification	Weathering	Cl. 5.6.4 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
42.	Safety glass- specification	Cross-cut	Cl. 5.6.5 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
43.	Safety glass- specification	227 g ball test at 20 ± 5°c	Cl. 5.7.1 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
44.	Safety glass- specification	227g ball test at -18° ± 2°c	Cl. 5.7.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
45.	Safety glass- specification	Flexibility test and fold test	Cl. 5.7.3 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
46.	Safety glass- specification	Fragmentation test	Cl. 6.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
47.	Safety glass- specification	227 g ball test	Cl. 6.3 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
48.	Safety glass- specification	2.260 g ball test	Cl. 6.4 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
49.	Safety glass- specification	Head-form test	Cl. 6.5 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
50.	Safety glass- specification	Test of resistance to abrasion	Cl. 6.6 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
51.	Safety glass- specification	Test of resistance to high temperature	Cl. 6.7 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
52.	Safety glass- specification	Test of resistance to radiation	Cl. 6.8 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
53.	Safety glass- specification	Test of resistance to humidity	Cl. 6.9 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
54.	Safety glass- specification	Test of resistance to temperature changes	Cl. 6.10 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
55.	Safety glass- specification	Light transmittance test	Cl. 6.11 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
56.	Safety glass- specification	Optical distortion test	Cl. 6.12 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
57.	Safety glass- specification	Secondary image separation test	Cl. 6.13 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
58.	Safety glass- specification	Fire resistance test	Cl. 6.14 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
59.	Safety glass- specification	Head form test with deceleration measurement for plastic glazing	Cl. 6.16 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
60.	Safety glass- specification	Flexibility test and fold test	Cl. 6.17 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
61.	Safety glass- specification	Weathering	Cl. 6.18 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
62.	Safety glass- specification	Cross-cut test	Cl. 6.19 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
63.	Safety glass- specification	Position of points	Cl. 7 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
64.	Safety glass- specification	Marking	Cl. 9.2 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
65.	Safety glass- specification	Raw material	Cl. 4.1 of IS 2553 (Part 3): 2019
66.	Safety glass- specification	Dimensions	Cl. 4.2 (i) Table 1 of IS 2553 (Part 3): 2019
67.	Safety glass- specification	Squareness	Cl. 4.2 (ii) Table 1 of IS 2553 (Part 3): 2019
68.	Safety glass- specification	Flatness (overall bow)	Cl. 4.2 (iii) Table 1 of IS 2553 (Part 3): 2019
69.	Safety glass- specification	Flatness (local distortion)	Cl. 4.2 (iv) Table 1 of IS 2553 (Part 3): 2019
70.	Safety glass- specification	Flatness (roller wave)	Cl. 4.2 (v) Table 1 of IS 2553 (Part 3): 2019
71.	Safety glass- specification	Fragmentation	Cl. 4.2 (vi) Table 1 of IS 2553 (Part 3): 2019
72.	Safety glass- specification	Resistance to shock (ball drop) test	Cl. 4.2 (vii) Table 1 of IS 2553 (Part 3): 2019
73.	Safety glass- specification	Mechanical strength	Cl. 4.2 (viii) Table 1 of IS 2553 (Part 3): 2019

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
74.	Safety glass- specification	Marking	Cl. 5.2 of IS 2553 (Part 3): 2019
75.	Specification for flat transparent sheet glass	Classification	Cl. 3 of IS 2835: 1987
76.	Specification for flat transparent sheet glass	Material	Cl. 4.1 of IS 2835: 1987
77.	Specification for flat transparent sheet glass	Dimensions	Cl. 4.2 of IS 2835: 1987
78.	Specification for flat transparent sheet glass	Distribution of allowable defects	Cl. 4.3 of IS 2835: 1987
79.	Specification for flat transparent sheet glass	Thickness	Cl. 5.1 of IS 2835: 1987
80.	Specification for flat transparent sheet glass	Scratches, rubs and crash	Cl. 5.2 of IS 2835: 1987
81.	Specification for flat transparent sheet glass	Bow	Cl. 5.3 of IS 2835: 1987
82.	Specification for flat transparent sheet glass	Reams, strings and lines	Cl. 5.4 of IS 2835: 1987
83.	Specification for flat transparent sheet glass	Marking	Cl. 6.2 of IS 2835: 1987
84.	Specification for flat transparent sheet glass	Test for waviness	Appendix A of IS 2835: 1987
85.	Specification for flat transparent sheet glass	Determination of thickness of sheet glass	Appendix B of IS 2835: 1987

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
86.	Testing methods for processed glass	Thickness measurement	Cl. 5.1 of IS 17004: 2018
87.	Testing methods for processed glass	Measurement of overall bow	Cl. 5.2 of IS 17004: 2018
88.	Testing methods for processed glass	Measurement of wave and roller wave	Cl. 5.3 of IS 17004: 2018
89.	Testing methods for processed glass	Measurement of edge lift	Cl. 5.4 of IS 17004: 2018
90.	Testing methods for processed glass	Measurement of local distortion	Cl. 5.5 of IS 17004: 2018
91.	Testing methods for processed glass	Fragmentation test	Cl. 6.1 of IS 17004: 2018
92.	Testing methods for processed glass	Ball drop test	Cl. 6.2 of IS 17004: 2018
93.	Testing methods for processed glass	Mechanical strength test — four point bending test	Cl. 6.3 of IS 17004: 2018
94.	Testing methods for processed glass	Resistance to human impact	Cl. 6.4 of IS 17004: 2018
95.	Testing methods for processed glass	Surface compression test	Cl. 6.5 of IS 17004: 2018
96.	Testing methods for processed glass	High temperature test	Cl. 7.1 of IS 17004: 2018
97.	Testing methods for processed glass	Humidity test	Cl. 7.2 of IS 17004: 2018

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Quality And Accreditation Institute

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Scope of Accreditation

Alpha Test House Services LLP

Plot No. 124, Industrial Area, Phase 9, Mohali,
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QAI/CIA/TL/2024/0087

Valid from: 22 November 2024

Valid until: 21 November 2026

Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
98.	Testing methods for processed glass	Radiation test	Cl. 7.3 of IS 17004: 2018
99.	Testing methods for processed glass	Climate test	Cl. 7.4 of IS 17004: 2018
100.	Testing methods for processed glass	Argon gas level test	Cl. 7.5 of IS 17004: 2018
101.	Testing methods for processed glass	Light stability test	Cl. 7.6 of IS 17004: 2018
102.	Transparent float glass — specification	Characteristic	Cl. 4.1 of IS 14900: 2018
103.	Transparent float glass — specification	Visual light transmission	Cl. 4.2 of IS 14900: 2018
104.	Transparent float glass — specification	Dimensions and tolerances	Cl. 4.3 of IS 14900: 2018
105.	Transparent float glass — specification	Optical faults	Cl. 4.4 & ANNEX C of IS 14900: 2018
106.	Transparent float glass — specification	Visual faults	Cl. 4.5 of IS 14900: 2018
107.	Transparent float glass — specification	Defects on cut side	Cl. 4.6 of IS 14900: 2018
108.	Transparent float glass — specification	Bloom	Cl. 4.7 & Annex F of IS 14900: 2018
109.	Transparent float glass — specification	Marking	Cl. 5.2 of IS 14900: 2018

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
110.	Transparent float glass — specification	UV test to identify the tin side of float glass	Annex A of IS 14900: 2018
111.	Transparent float glass — specification	Determination of visual light transmittance	Annex B of IS 14900: 2018
112.	Transparent float glass — specification	Determination of spot faults	Cl. 4.5.1 & Annex D of IS 14900: 2018
113.	Transparent float glass — specification	Determination of reams, strings, lines and linear faults	Cl. 4.5.2, 4.5.3 & Annex E of IS 14900: 2018



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Glass		
1.	Safety glass — specification	Test of resistance to chemicals	Cl. 5.2.3 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023
2.	Safety glass — specification	Test of resistance to chemicals	Cl. 6.15 of IS 2553 (Part 2): 2019 +A1:2020 +A2:2021 +A3:2022 +A4:2023



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
Wood and Wood Products			
1.	Plywood for general purposes	Formaldehyde content test	Cl. 11.6 of IS 303: 2024
2.	Plywood for general purposes	Formaldehyde content test	IS 13745: 2020
3.	Plywood for general purposes	Steady-state formaldehyde emission test (optional)	Cl. 11.7 of IS 303: 2024
4.	Plywood for general purposes	Steady-state formaldehyde emission test	IS/ISO 12460 (Part 1): 2007
5.	Plywood	Determination of pH value	IS 1734 (Part 8): 1983
6.	Plywood	Acidity and alkalinity resistance test	IS 1734 (Part 20): 1983
7.	Plywood for concrete shuttering works	Formaldehyde content test	Cl. 10.12 of IS 4990: 2024
8.	Plywood for concrete shuttering works	Steady-state formaldehyde emission test	Cl. 10.13 of IS 4990: 2024
9.	Marine plywood	Formaldehyde content test	Cl. 9.11 of IS 710: 2024
10.	Marine plywood	Steady-state formaldehyde emission test	Cl. 9.12 of IS 710: 2024
11.	Synthetic resin adhesives for plywood (phenolic and amino plastic)	Acidity and alkalinity (pH)	Cl. 7.4 of IS 848: 2006+ A1: 2007 + A2: 2011

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Wood and Wood Products		
12.	Synthetic resin adhesives for plywood (phenolic and amino plastic)	Determination of pH (hydrogen ion concentration) value of liquid or powdered resin adhesives	ANNEX - B of IS 848: 2006+ A1: 2007 + A2: 2011
13.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Formaldehyde content	Cl. 9.7 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
14.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for formaldehyde content	Cl. 11.11 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
15.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Steady state formaldehyde emission value	Cl. 9.8 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
16.	Particle boards of wood and other lignocellulosic materials (medium density) for general purposes	Test for steady state formaldehyde emission value	Cl. 11.12 of IS 3087: 2005 +A1:2006 +A2:2011 +A3:2016 +A4:2017 +A5:2018
17.	Prelaminated particle boards from wood and other lignocellulosic material	Test for formaldehyde content/emission	Cl.10.15 of IS 12823: 2015 +A1:2018

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