

Quality And Accreditation Institute Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



Certificate of Accreditation

Eco Paryavaran Laboratories and Consultants Private Limited

Eco Bhawan, E-207, Industrial Area, Phase VIII-B (Sector 74)
Mohali- 160071, 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/2026/0161

Valid from: 05 March 2026

Dr. Bhupendra Kumar Rana
Chief Executive Officer

Valid until: 04 March 2028

Prof. Vikram Kumar
Chair, CIA



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
1.	Concrete Paving Blocks	Individual Length	IS 15658-2021 Annexure-B (Clause B 1.3.1)
2.		Average Length	Clause 7.2 IS 15658-2021 Annexure-B
3.		Individual Width	IS 15658-2021 Annexure-B (Clause B 1.3.1)
4.		Average Width	Clause 7.2 IS 15658-2021 Annexure-B
5.		Individual Thickness	IS 15658-2021 Annexure-B (Clause B 1.3.2)
6.		Average Thickness	Clause 7.2 of IS 15658 Annexure-B
7.		Aspect Ratio Individual	IS 15658-2021 Annexure-B (Clause B 1.3.3)
8.		Aspect Ratio Average	Clause 7.2 of IS 15658 Annexure-B
9.		Arris/Chamfer Width Individual	IS 15658-2021 Annexure-B (Clause B 2)
10.		Arris/Chamfer Width Average	Clause 7.2 of IS 15658 Annexure-B
11.		Arris/Chamfer Depth Individual	IS 15658-2021 Annexure-B (Clause B 2)

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
12.	Concrete Paving Blocks	Arris/Chamfer Depth Average	Clause 7.2 of IS 15658 Annexure-B
13.		Plan Area, Asp Individual	IS 15658-2021 Annexure-B (Clause B 3)
14.		Plan Area, Asp Average	Clause 7.2 of IS 15658 Annexure-B
15.		Individual Wearing Face area	IS 15658-2021 Annexure-B (Clause B 3)
16.		Average Wearing Face area	Clause 7.2 of IS 15658 Annexure-B
17.		Ratio of wearing face area and plan area, Individual	Clause 7.2 of IS 15658 Annexure-B
18.		Ratio of wearing face area and plan area, Average	Clause 7.2 of IS 15658 Annexure-B
19.		Deviation from Squareness Individual	IS 15658-2021 Annexure-B (Clause B 4)
20.		Deviation from Squareness Average	Clause 7.2 of IS 15658 Annexure-B
21.		Thickness of wearing layer Individual	Clause 7.2 of IS 15658 Annexure-B
22.		Thickness of wearing layer Average	Clause 7.2 of IS 15658 Annexure-B

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
23.	Concrete Paving Blocks	Water Absorption -Individual	IS 15658 Annex-C
24.		Water Absorption -Average	IS 15658 Annex-C
25.		Compressive strength -Individual	IS 15658 Annex-D
26.		Compressive strength -Average	IS 15658 Annex-D
27.		Abrasion Resistance - Dry, Individual	IS 15658 Annex-E
28.		Abrasion Resistance - Dry, Average	IS 15658 Annex-E
29.		Abrasion Resistance –Wet, Individual	IS 15658 Annex-E
30.		Abrasion Resistance –Wet, Average	IS 15658 Annex-E
31.		Tensile Splitting Strength -Individual	IS 15658 Annex-F
32.		Tensile Splitting Strength -Average	IS 15658 Annex-F
33.		Failure load -Individual	IS 15658 Annex-F
34.		Failure load -Average	IS 15658 Annex-F
35.		Flexural Strength -Individual	IS 15658 Annex-G
36.		Flexural Strength -Average	IS 15658 Annex-G
37.		Breaking load – Individual	IS 15658 Annex-G
38.		Breaking load – Average	IS 15658 Annex-G



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
39.	Coarse Aggregate	Elongation Index	IS: 2386 (Part-1)
40.		Flakiness Index	IS: 2386 (Part-1)
41.		Combined Elongation Index & Flakiness Index	IS: 2386 (Part-1)
42.	Coarse Aggregate/Fine Aggregate	Sieve Analysis (80 mm, 63 mm, 50 mm, 40 mm, 31.5 mm, 25 mm, 20 mm, 16 mm, 12.5 mm, 10 mm, 6.3 mm, 4.75 mm, 2.36 mm, 1.18 mm, 0.6 mm, 160 mm, 1.7 mm, 0.3 mm, 0.15 mm)	IS: 2386 (Part-1)
43.	Coarse Aggregate	10% Fines Value	IS: 2386 (Part-4)
44.		Impact Value	IS: 2386 (Part-4)
45.		Abrasion Value	IS: 2386 (Part-4)
46.		Crushing Value	IS: 2386 (Part-4)
47.	Coarse Aggregate/Fine Aggregate	Material Finer than 75 Micron IS Sieve	IS: 2386 (Part-1)
48.		Soft Fragments	IS: 2386 (Part-2)
49.		Organic Impurities	IS: 2386 (Part-2)
50.		Coal and lignite	IS: 2386 (Part-2)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
51.		Bulk Density (Loose State)	IS 2386 (Part-3)
52.	Coarse Aggregate/Fine Aggregate	Bulk Density (Rodded State)	IS 2386 (Part-3)
53.		Specific Gravity	IS 2386 (Part-3)
54.		Clay Lumps	IS 2386 (Part-2)
55.		Soundness by Sodium Sulphate	IS 2386 (Part-5)
56.		Soundness by Magnesium Sulphate	IS 2386 (Part-5)
57.		Total % of all Deleterious Material (Except Mica)	IS 383
58.		Water Absorption	IS 2386 (Part-3)
59.		Timber	Moisture Content
60.	Moisture Content		IS 1708 (Part 1)
61.	Synthetic Resin Adhesives for Plywood (Phenolic, Amino plastic and Bio-Materials Based)	Visual examination	IS 848
62.		Forcible separation of Plies	IS 1734 (Part 5)
63.		Cyclic test (BWP grade) Six Cycle, each cycle consisting of 8 h boiling in water and thereafter drying at 65 ± 2 °C for 16 hrs	Clause 7.3 of IS 848

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
64.		Cyclic test (BWR grade) Three Cycle, each cycle consisting of 8 h boiling in water and thereafter drying at 65 ±2 °C for 16 hrs	Clause 7.3 of IS 848
65.	Synthetic Resin Adhesives for Plywood (Phenolic, Amino plastic and Bio-Materials Based)	Cyclic test (MR grade) Three Cycle, each cycle consisting of 8 hrs boiling in water and thereafter drying at 65 ±2 °C for 8 hrs	Clause 7.3 of IS 848
66.	Commercial Veneer	Classification by appearance	Clause 4 of IS 14315
67.		Blister	IS 10701
68.		Checks	IS 10701
69.		Discolouration	Clause 4, 6 and 7 of IS 14315
70.		Dote	Clause 4, 6 and 7 of IS 14315
71.		Insect hole	Clause 4, 6 and 7 of IS 14315
72.		Joints	Clause 4, 6 and 7 of IS 14315
73.		Knots (Dead)	Clause 4, 6 and 7 of IS 14315:1995



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
74.	Commercial Veneer	Pin knots (dead)	Clause 4, 6 and 7 of IS 14315
75.		Pin knots (live)	Clause 4, 6 and 7 of IS 14315
76.		Knots (tight)	Clause 4, 6 and 7 of IS 14315
77.		Patches	Clause 4, 6 and 7 of IS 14315
78.		Splits	Clause 4, 6 and 7 of IS 14315
79.		Swirl	Clause 4, 6 and 7 of IS 14315
80.		Thickness	Clause 9.3 of IS 14315:1995
81.		Length	Clause 9.4.1 of IS 14315
82.		Width	Clause 9.4.1 of IS 14315
83.		Squareness	Clause 9.4.2 of IS 14315
84.		Edge straightness	Clause 9.4.3 of IS 14315:1995
85.	Veneer/Core/Cross band	Slope	Clause 6.7 of IS 4990



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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
86.	Plywood for General Purpose	Classification by appearance	Clause 5.1 of IS 303	
87.		Blister	Clause 5.2 of IS 303	
88.		Checks	Clause 5.2 of IS 303	
89.		Discolouration	Clause 5.2 of IS 303	
90.		Dote	Clause 5.2 of IS 303	
91.		Insect hole	Clause 5.2 of IS 303	
92.		Joints	Clause 5.2 of IS 303	
93.		Plywood for General Purpose	Knots (Dead)	Clause 5.2 of IS 303
94.			Pin knots (dead)	Clause 5.2 of IS 303
95.			Pin knots (live)	Clause 5.2 of IS 303
96.			Knots (tight)	Clause 5.2 of IS 303
97.			Patches	Clause 5.2 of IS 303
98.			Splits	Clause 5.2 of IS 303
99.			Swirl	Clause 5.2 of IS 303
100.			Length Plywood for General Purpose	Clause 8.1 of IS 303
		Plywood for General Purpose		

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
101.		Width	Clause 8.1 of IS 303
102.		Thickness	Clause 8.2 of IS 303
103.		Squareness	Clause 8.3 of IS 303 Annex C
104.		Edge straightness	Clause 8.3 of IS 303 Annex C
105.		Workmanship & Finish	Clause 9 of IS 303
106.		Glue adhesion-Water Resistance test	IS 1734 (Part 5)
107.		Plywood for General Purpose/ Marine Plywood / Plywood for concrete shuttering works / Structural Plywood	Mycological Test
108.	Plywood for General Purpose	Glue Adhesion -Mycological Test	IS 1734 (Part 5)
109.	Plywood for General Purpose/ Marine Plywood /Veneered Plywood /Plywood for concrete shuttering works /Commercial Veneer	Moisture content	IS 1734 (Part 1)

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Mechanical Testing				
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
110.	Plywood for General Purpose / Marine Plywood / Plywood for concrete shuttering works / Structural Plywood	Static bending Strength-Modulus of Elasticity-Along-Average	IS 1734 (Part-11)	
111.		Static bending Strength-Modulus of Elasticity-Along-Minimum	IS 1734 (Part-11)	
112.		Static bending Strength-Modulus of Elasticity-Across-Average	IS 1734 (Part-11)	
113.		Static bending Strength-Modulus of Elasticity-Across-Minimum	IS 1734 (Part-11)	
114.		Static bending Strength-Modulus of Rupture-Along-Average	IS 1734 (Part-11)	
115.		Static bending Strength-Modulus of Rupture -Along-Minimum	IS 1734 (Part-11)	
116.		Static bending Strength-Modulus of Rupture -Across-Average	IS 1734 (Part-11)	
117.		Static bending Strength-Modulus of Rupture -Across-Minimum	IS 1734 (Part-11)	
118.		Marine Plywood	Length	Clause 6.1 of IS 710
119.			Width	Clause 6.1 of IS 710
120.			Thickness	Clause 6.2 of IS 710
121.			Squareness	Clause 6.3 of IS 710 Annex C

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
122.		Edge Straightness	Clause 6.3 of IS 710 Annex C
123.		Workmanship & Finish	Clause 7 of IS 710
124.	Marine Plywood / Plywood for concrete shuttering works	Glue adhesion in dry state -Glue shear Strength	IS 1734 (Part 4)
125.		Glue adhesion in dry state - Adhesion of Plies	IS 1734 (Part 5)
126.	Marine Plywood	Water Resistance Test-Glue shear Strength	IS 1734 (Part 4)
127.	Marine Plywood /Veneered Plywood	Water Resistance Test-Adhesion of Plies	IS 1734 (Part 5)
128.	Marine Plywood /Plywood for concrete shuttering works	Mycological-Adhesion of Plies	IS 1734 (Part 5)
129.	Marine Plywood	Mycological -Glue Sheer Strength	IS 1734 (Part 4)
130.	Marine Plywood /Plywood for concrete shuttering works/	Wet bending Strength-Modulus of Elasticity-Along the Face Grain-Average	IS 1734 (Part-11)
131.	Structural Plywood	Wet bending Strength-Modulus of Elasticity-Along the Face Grain-Minimum	IS 1734 (Part-11)
132.		Wet bending Strength-Modulus of Elasticity-Across the Face Grain-Average	IS 1734 (Part-11)



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method	
	Building, Infrastructure & Construction Materials			
133.		Wet bending Strength-Modulus of Elasticity-Across the Face Grain-Minimum	IS 1734 (Part-11)	
134.		Wet bending Strength-Modulus of Rupture-Along the Face Grain-Average	IS 1734 (Part-11)	
135.		Wet bending Strength-Modulus of Rupture -Along the Face Grain-Minimum	IS 1734 (Part-11)	
136.		Wet bending Strength-Modulus of Rupture -Across the Face Grain-Average	IS 1734 (Part-11)	
137.		Wet bending Strength-Modulus of Rupture -Across the Face Grain-Minimum	IS 1734 (Part-11)	
138.		Veneered Plywood	Surface requirements	Clause 7 of IS 1328
139.			Length	Clause 8.1 of IS 1328
140.	Width		Clause 8.1 of IS 1328	
141.	Thickness		Clause 8.2 of IS 1328	
142.	Squareness		Clause 8.3 of IS 1328 Annex B	
143.	Edge straightness		Clause 8.3 of IS 1328 Annex B	

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
144.		Workmanship & Finish	Clause 9 of IS 1328
145.	Plywood for concrete shuttering works	Length	Clause 7.1 of IS 4990
146.		Width	Clause 7.1 of IS 4990
147.		Thickness	Clause 7.2 of IS 4990
148.		Edge Straightness	Clause 7.3 of IS 4990 Annex C
149.		Squareness	Clause 7.3 of IS 4990 Annex C
150.		Workmanship & Finish	Clause 8 of IS 4990
151.		Plywood for concrete shuttering works	Resistant to water -Glue Shear Strength
152.	Resistant to water -Adhesion of Plies		IS 1734 (Part 5)
153.	Mycological Test -Glue shear Strength		IS 1734 (Part 4)
154.	Plywood for concrete shuttering works / Structural Plywood / Marine Plywood	Tensile Strength- in the direction parallel to the grain	IS 1734 (Part 9)
155.		Tensile Strength-in the direction at right angle to the grain	IS 1734 (Part 9)
156.	Plywood for concrete shuttering works/ Marine Plywood	The sum of the tensile strengths in both directions	IS 1734 (Part 9)
157.	Structural Plywood	Length	Clause 8.1 of IS 10701

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
158.	Structural Plywood	Width	Clause 8.1 of IS 10701
159.		Thickness	Clause 8.2 of IS 10701
160.		Straightness	Clause 8.3.1 of IS 10701 Annex C
161.		Squareness	Clause 8.3.1 of IS 10701 Annex C
162.		Workmanship & Finish	Clause 8.4 of IS 10701
163.		Glue Shear Strength in dry state	IS 1734 (Part 4)
164.		Resistance to water-average failing load	IS 1734 (Part 6)
165.		Resistance to Micro-organisms	IS 1734 (Part 7)
166.		Compressive strength- along the grain	IS 1734 (Part 10)
167.		Compressive strength- across the grain	IS 1734 (Part 10)
168.		Panel shear strength	IS 1734 (Part 13)
169.		Modulus of rigidity	IS 1734 (Part 14)
170.		Rolling shear strength	IS 10701 Annex E
171.		Block Boards	Permissible Defects in commercial Grade
172.		Permissible Defects in Decorative Veneers Grade	IS 1328

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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
173.	Block Boards	Length	IS 1659
174.		Width	IS 1659
175.		Thickness	Clause 7.1 of IS 1659 Annex D
176.		Variation in thickness on a Board	Clause 7.1 of IS 1659 Annex D
177.		Edge Straightness	Clause 7.3 of IS 1659 Annex D
178.		Squareness	Clause 7.3 of IS 1659 Annex D
179.		Dimensional Changes Caused by Humidity-Change in Length at 90% RH	Clause 9.2.1 of IS 1659, Annex E
180.		Dimensional Changes Caused by Humidity-Change in Length at 40% RH	Clause 9.2.1 of IS 1659, Annex E
181.		Dimensional Changes Caused by Humidity-Change in Thickness at 90% RH	Clause 9.2.1 of IS 1659, Annex E
182.		Dimensional Changes Caused by Humidity-Change in Thickness at 40% RH	Clause 9.2.1 of IS 1659, Annex E
183.	Dimensional Changes Caused by Humidity-Delamination	Clause 9.2.1 of IS 1659, Annex E	



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Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
184.		Dimensional Changes Caused by Humidity-Change in Local planeness	Clause 9.2.1 of IS 1659, Annex E
185.		Resistance to water	Clause 9.2.2 of IS 1659, Annex F
186.		Adhesion of Plies	Clause 9.2.3 of IS 1659, Annex G
187.		Mycological Test	Clause 9.2.4 of IS 1659 Annex H
188.		Modulus of Rupture- Average	Clause 9.2.5 of IS 1659 Annex J
189.		Modulus of Rupture- Minimum individual	Clause 9.2.5 of IS 1659 Annex J
190.	Block Boards	Modulus of Elasticity- Average	Clause 9.2.5 of IS 1659 Annex J
191.		Modulus of Elasticity - Minimum individual	Clause 9.2.5 of IS 1659 Annex J
192.		Spot Test	Clause 9.2.6 of IS 1659 Annex K
193.		Workmanship and Finish	Clause 9.1 of IS 2202 (P-1)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
194.	Wooden Flush Doors Shutters (Solid Core Type)	Workmanship and Finish	Clause 9.2 of IS 2202 (P-1)
195.		Workmanship and Finish (Non-decorative Type)	IS 710
196.		Workmanship and Finish (Decorative type)	IS 1328
197.	Wooden Flush Doors Shutters (Solid Core Type) IS 2202 (Part 1)/Wooden Flush Doors Shutters (Solid Core Type) IS 2202 (Part 2)/Wooden Flush Doors Shutters (Cellular, Hollow and Tubular Core Type) IS 2191 (Part 1)/Wooden Flush Door Shutters (Cellular, Hollow and Tubular Core) IS 2191 (Part 2)/Moulded	Width	IS 4020 (Part 2)
198.		Height	IS 4020 (Part 2)
199.		Thickness	IS 4020 (Part 2)
200.		Variation in thickness	IS 4020 (Part 2)
201.		Squareness	IS 4020 (Part 2)
202.		General flatness test (Twist, Cupping, Warping)	IS 4020 (Part 3)
203.		Local planeness test	IS 4020 (Part 4)
204.	Impact indentation test General Effect	IS 4020 (Part 5)	



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
205.	High-Density Fibre (HDF) Panelled Door Shutters Wooden Flush Doors Shutters (Solid Core Type) IS 2202 (Part 1)/Wooden Flush Doors Shutters (Solid Core Type) IS 2202 (Part 2)/Wooden Flush Doors Shutters (Cellular, Hollow and Tubular Core Type) IS 2191 (Part 1)/Wooden Flush Door Shutters (Cellular, Hollow and Tubular Core) IS 2191 (Part 2)/Moulded High-Density Fibre (HDF) Panelled Door Shutters	Impact indentation test-Depth of Indentation	IS 4020 (Part 5)
206.		Flexure Test-Deflection at maximum load of Length	IS 4020 (Part 6)
207.		Flexure Test-Deflection at maximum load of width	IS 4020 (Part 6)
208.		Flexure Test - Residual Deflection	IS 4020 (Part 6)
209.		Edge loading test- Deflection of edge	IS 4020 (Part 7)
210.		Edge loading test- Residual deflection	IS 4020 (Part 7)
211.		Edge loading test- Lateral buckling	IS 4020 (Part 7)
212.		Edge loading test- Residual buckling (after removal of load)	IS 4020 (Part 7)
213.		Shock Resistance test (Light body, Heavy body impact)	IS 4020 (Part 8)
214.		Buckling resistance test-Residual deformation	IS 4020 (Part 9)
215.		Buckling resistance test-Initial deflection	IS 4020 (Part 9)
216.		Slamming Test	IS 4020 (Part 10)
217.		Misuse test	IS 4020 (Part 11)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
218.		Varying humidity test-Visible warping, Twisting or delamination	IS 4020 (Part 12)
219.		Varying humidity test -General planeness	IS 4020 (Part 12)
220.		Varying humidity test-Recovery of original size (Height)	IS 4020 (Part 12)
221.		Varying humidity test-Recovery of original size (Width)	IS 4020 (Part 12)
222.		Varying humidity test-Recovery of original size (Thickness)	IS 4020 (Part 12)
223.		Varying humidity test-Recovery of original size (Diagonal Length)	IS 4020 (Part 12)
224.		End immersion test	IS 4020 (Part 13)
225.		Knife test	IS 4020 (Part 14)
226.		Glue adhesion test	IS 4020 (Part 15)
227.		Screw withdrawal resistance test	IS 4020 (Part 16)
228.		Screw withdrawal -Visible Damage	IS 4020 (Part 16)
229.	Wooden Flush Doors Shutters (Solid Core Type)	Workmanship and Finish	Clause 9 of IS 2202 (P-2)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
230.	Wooden Flush Doors Shutters (Cellular, Hollow and Tubular Core Type)	Workmanship and Finish	Clause 9.1 of IS 2191 (Part 1)
231.		Workmanship and Finish	Clause 9.2 of IS 2191 (Part 1)
232.		Workmanship and Finish (Commercial Type)	IS 710
233.		Workmanship and Finish (Decorative type)	IS 1328
234.		Workmanship and Finish	Clause 9 of IS 2191 (Part 2)
235.		Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose	Finish
236.	Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose /Medium density Fibre Boards of wood and Other Lignocellulosic Materials for General Purpose/Veneered Medium Density Particle Boards from	Length	IS 2380 (Part 2)
237.		Width	IS 2380 (Part 2)
238.		Thickness	IS 2380 (Part 2)
239.		Squareness	IS 2380 (Part 2)
240.		Edge Straightness	IS 2380 (Part 2)
241.		Density	IS 2380 (Part 3)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
242.	Wood and other Lignocellulosic Material	Variation from mean density, percent	IS 2380 (Part 3)
243.		Moisture content	IS 2380 (Part 3)
244.		Modulus of rupture	IS 2380 (Part 4)
245.		Modulus of elasticity	IS 2380 (Part 4)
246.		Internal bond strength	IS 2380 (Part 5)
247.		24 h thickness swelling	IS 2380 (Part 17)
248.		Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose /Medium density Fibre Boards of wood and Other Lignocellulosic Materials for General Purpose	Screw withdrawal strength (face)
249.	Screw withdrawal strength (edge)		IS 2380 (Part 14)
250.	Medium Density Particle Boards of Wood and other	Internal bond strength-Cyclic Test (Moisture resistance)	IS 2380 (Part 5)
251.	Lignocellulosic Materials for General Purpose /Veneered Medium Density Particle Boards from Wood and other	Internal bond strength- Boil Test (Moisture resistance)	IS 2380 (Part 5)

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
	Lignocellulosic Material /Medium density Fibre Boards of wood and Other Lignocellulosic Materials for General Purpose		
252.	Veneered Medium Density Particle Boards from Wood and other Lignocellulosic Material	Finish	Clause 7 of IS 3097
253.	Medium density Fibre Boards of wood and Other Lignocellulosic Materials for General Purpose	Finish	Clause 7 of IS 12406
254.	Moulded Panel Fibreboard Skin	Density	IS 2380 (Part 3)
255.		Moisture content	IS 2380 (Part 3)
256.		Water Absorption, After 2 hour and 24 hours	IS 2380 (Part 16)
257.		Swelling in water - General absorption, 24 hours (Thickness, Length, Width)	IS 2380 (Part 17)
258.		Swelling in water Surface absorption	IS 2380 (Part 17)
259.		Modulus of rupture	IS 2380 (Part 4)
260.		Internal bond strength- Wet state	IS 2380 (Part 5)



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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building, Infrastructure & Construction Materials		
261.		Internal bond strength- Dry state (2 h boiling)	IS 2380 (Part 5)
262.		Immersion in boiling water for 4 hours	IS 15380
263.	Moulded High-Density Fibre (HDF) Panelled Door Shutters	Workmanship and Finish	Clause 9 of IS 15380
264.	Concrete Paving Blocks	General Quality	IS 15658
265.		Visual inspection	IS 15658
266.		Colour and texture	IS 15658
267.		Bonding and delamination between the layers of Paver Blocks	IS 15658
268.		Spacer Nibs	IS 15658
269.	Coarse Aggregate/Fine Aggregate	General	IS 383



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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
1.	Synthetic Resin Adhesives for Plywood (Phenolic, Amino plastic and Bio-Materials Based)	Acidity and alkalinity (pH)	Annex B of IS 848
2.	Marine Plywood	Retention of Preservative as Acid Copper Chrome (ACC) or Copper chrome Boron (CCB)	IS 2753 (Part 1 and Part 2)
3.	Plywood for concrete shuttering works	Retention of Preservative as Acid Copper Chrome (ACC or Copper chrome Boron (CCB)	IS 2753 (Part 1)
4.	Structural Plywood	Retention of Preservative	IS 2753 (Part 1 and Part 2)
5.	Plywood for General Purpose /Marine Plywood /Veneered Plywood /Plywood for concrete shuttering works /Structural Plywood /Medium Density Particle Boards of Wood and other Lignocellulosic Materials for General Purpose /Veneered Medium Density Particle Boards	Formaldehyde content	IS 13745

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Chemical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	Building Material		
	from Wood and other Lignocellulosic Material /Medium density Fibre Boards of wood and Other Lignocellulosic Materials for General Purpose /Moulded Panel Fibre Board Skin		
6.	Coarse Aggregate/Fine Aggregate	Total alkali Content as Na ₂ O	IS 4032
7.		Total Sulphate Content as SO ₃	BS EN 1744 Part 1
8.		Water Soluble Chloride Content	BS EN 1744 Part 1
9.		Reduction in Alkalinity	IS 2386 (Part 7)
10.		Silica content	IS 2386 (Part 7)

*Note:

Scope Amendment 1:

The following amendments have been done in the scope **w.e.f. 25 March 2026:**

- Inclusion of parameters have been done on Page No. 23 in S. No.264 to 269 under **Building, Infrastructure and Construction Materials (Mechanical Discipline)**.
- Sieve sizes- 160mm, 1.7mm, 0.3mm, 0.15mm have been included on page No. 4 in S.no 42 under **Building, Infrastructure and Construction Materials (Mechanical Discipline)**.

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- IS 2386 Part II has been added on Page no. 4 & 5 in S.no 48 and 54 under **Building, Infrastructure and Construction Materials (Mechanical Discipline)**.
- Water Soluble Chloride Content has been added on Page no. 25 in S. No 8 under **Building Material (Chemical Discipline)**.

