

# Specification

No.	PROPERTY		TEST STANDARD	UNIT	SPECIFICATION
1	Modulus of Rupture		GB/T 4897-2015	MPa	≥ 11.0
2	Modulus of Elasticity		GB/T 4897-2015	MPa	≥ 1600
3	Internal Bond Strength		GB/T 4897-2015	MPa	≥ 0.35
4	24 Hr Thickness Swelling		GB/T 4897-2015	%	≤ 14
5	Moisture Content		GB/T 4897-2015	%	3.0 ~ 13.0
6	Density		GB/T 4897-2015	g/cm <sup>3</sup>	0.65 ± 0.02
7	Surface Bonding Strength		GB/T 4897-2015	MPa	≥ 0.60
8	Screw Holding Capability	Surface	GB/T 4897-2015	N	≥ 900
		Edge			≥ 600
9	Surface Hot-Cold Cycling Resistance		GB/T 15102-2017	----	No cracks, bubbles, discoloration, wrinkling
10	Surface Nicking Resistant		GB/T 15102-2017	----	≥ 1.5N, surface without no more than 90% continuous scratches
11	Surface Abrasion Resistance	Abrasion Weight		mg/100r	≤ 80
		Surface Condition	Pattern	----	There should be retained more than 50% after grinding 100r
12	Surface Resistance to Cigarette Burns		GB/T 15102-2017	Grade	Grade 4 (grade 5 is the best, grade 1 is the worst)
13	Surface Heat Resistance		GB/T 15102-2017	Grade	Grade 4 (grade 5 is the best, grade 1 is the worst)
14	Surface Contamination Corrosion Resistance	Pattern	GB/T 15102-2017	Grade	Grade 4 (grade 5 is the best, grade 1 is the worst)
15	Surface Cracking Resistance		GB/T 15102-2017	Grade	Grade 4 (grade 5 is the best, grade 1 is the worst)
16	Surface Steam Resistance		GB/T 15102-2017	Grade	Grade 4 (grade 5 is the best, grade 1 is the worst)
17	Formaldehyde Emission		GB 18580-2017	mg/m <sup>3</sup>	Climatological box method
					E1: ≤0.124