

SPECIFICATION

Substrate : Oriented Strand Board B3 (OSB3)

No.	PROPERTY		TEST STANDARD	UNIT	SPECIFICATION
1	Modulus of Rupture		T/CTWPDA 03-2017	MPa	Parallel: ≥ 16
					Verticality: ≥ 12
2	Modulus of Elasticity		T/CTWPDA 03-2017	MPa	Parallel: ≥ 2500
					Verticality: ≥ 1800
3	Internal Bond Strength		T/CTWPDA 03-2017	MPa	≥ 0.37
4	24 Hr Thickness Swelling		T/CTWPDA 03-2017	%	≤ 13
5	Moisture Content		T/CTWPDA 03-2017	%	4 ~ 10
6	Density		T/CTWPDA 03-2017	g/cm ³	0.65
7	Surface Bonding Strength		T/CTWPDA 03-2017	MPa	≥ 0.8
8	Screw Holding Capability	Surface	T/CTWPDA 03-2017	N	≥ 1000
		Edge			≥ 700
9	Surface Hot-Cold Cycling Resistance		GB/T 15102-2017	----	No cracks, bubbles, discoloration, wrinkling
10	Surface Nicking Resistant		GB/T 15102-2017	----	$\geq 1.5N$, surface without no more than 90% continuous scratches
11	Surface Abrasion Resistance	Abrasion Weight	GB/T 15102-2017	mg/100r	≤ 80
		Surface Condition		----	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 5
					(grade 5 is the best, grade 1 is the worst)
14	Surface Contamination Corrosion Resistance		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 5
					(grade 5 is the best, grade 1 is the worst)
17	Surface (Pencil) Hardness		GB/T 6739-2022	----	4 H
18	Impact Resistance		GB/T 1732-2010	Grade	3
					(grade 5 is the best, grade 1 is the worst)
19	Formaldehyde Emission		GB/T 39600-2021	mg/m ³	ENF : ≤ 0.025