

# Specification

Substrate : Oriented Strand Board (OSB)

No.	PROPERTY		TEST STANDARD	UNIT	SPECIFICATION
1	Modulus of Rupture		T/CTWPDA 03-2017	MPa	Parallel: $\geq 16$
					Verticality: $\geq 12$
2	Modulus of Elasticity		T/CTWPDA 03-2017	MPa	Parallel: $\geq 2500$
					Verticality: $\geq 1800$
3	Internal Bond Strength		T/CTWPDA 03-2017	MPa	$\geq 0.37$
4	24 Hr Thickness Swelling		T/CTWPDA 03-2017	%	$\leq 16$
5	Moisture Content		T/CTWPDA 03-2017	%	4 ~ 10
6	Density		T/CTWPDA 03-2017	g/cm <sup>3</sup>	0.7
7	Surface Bonding Strength		T/CTWPDA 03-2017	MPa	$\geq 0.8$
8	Screw Holding Capability	Surface	T/CTWPDA 03-2017	N	$\geq 1000$
		Edge			$\geq 700$
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	$\leq 80$
		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 4
					(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 4
					(grade 5 is the best, grade 1 is the worst)
17	Formaldehyde Emission		GB/T 39600-2021	mg/m <sup>3</sup>	$\leq 0.025$