

Testing

Properties	Value	Unit	Standard	
Surface Feature	Natural wood skin(front and back)		Visual inspection	
Density	≥1350	kg/m ³	GB/T17657-1999:4.2	
Water Absorption	≤1.0	%	GB/T17657-1999:4.6	
Modulus of Elasticity	≥9000	MPa	GB/T17657-1999:4.9	
Flexural Strength	≥80	MPa	GB/T17657-1999:4.9	
Wet cycle	flexural strength≥80 thickness swelling≤0.5 Surface:no change	MPa % —	GB/T17657-1999:4.25	
Resistance to scratch	≥1.0N	—	GB/T17657-1999:4.29	
Dimensional Stability	≤5	mm/m	GB/T17657-1999:4.35(method 2)	
Resistance to staining and corrosion	No staining and corrosion	—	GB/T17657-1999:4.37(method 2)	
Impact resistance	surface indentation diameter	No crack ≤6(A single value)	— mm	GB/T17657-1999:4.44
Artificial climate aging experiments (xenon arc lamp) a	surface has no change	—	GB/T16428.1-1999 & GB/T16422.2-1999	
Resistance to shock climate change b	surface quality flexural strength	No change ≥76	— MPa	Principle: determine its resistance and flexural strength changes to repeated sharp changes in temperature and relative humidity
Face Screw Holding	≥4000N	N	GB/T 17657-2013:4.21	
Static Bending Strength (after boiling, freezing and drying)	≥70Mpa	MPa	GB/T17657-2013:4.10	