

**Technical Specification of Post Laminated Particle Board**  
**Thickness: 18mm PB +0.7mm Laminate + 0.70mm Balancer**

Size: 2440 x 1220

Type - P2 - E - 1 Grade European Method (Interior Use Dry Condition) - 312:210

Properties	Specification no.	Parameter or Attribute	Unit (Max. or Min.)	Standard Value	Airolam Values
Thickness Tolerance	EN-324-1		mm	0.30mm	19.5 to 20.0
Tolerance on Nominal Dimension	EN-324-1		mm	(+/-)5mm	(+)3mm
Edge Straightness Tolerance	EN-324-2		mm/mtr	1.5 mm/mtr	0.6 mm/mtr
Squareness Tolerance	EN-324-2		mm/mtr	2.0 mm/mtr	0.8 mm/mtr
Bending Strength	EN 310	Stress	N/mm <sup>2</sup>	11.0 N/mm <sup>2</sup>	17.64
Modulus of Elasticity	EN 310	Stress	N/mm <sup>2</sup>	1600 N/mm <sup>2</sup>	1765
Internal Bonding	EN 319	Stress	N/mm <sup>2</sup>	0.35 N/mm <sup>2</sup>	0.41
Tolerance of the mean density within a board	EN 323			(+/-)10%	<8%
Moisture Content	EN 322			5-13 %	6.49
Formaldehyde Emission Class E1	EN 120			E1< 8mg /100g dry oven gas	< 8mg /100g dry oven gas
Screw with drawl strength				Face ≥ 1250 N Edge ≥ 750 N	1340 820
Surface abrasion resistance				≥ 80Cycle	125
Resistance to steam		Appearance		Pass	Pass
Resistance to crack		Appearance		Pass	Pass
Resistance to cigarette burn		Appearance		Pass	Pass
Resistance to stain		Appearance		Pass	Pass

**Note:** All our products comply to applicable standards, but results may differ based on the application and handling of the product.  
Please refer <https://airolam.com/> for warranty clauses.