

Technical Data Sheet (Dasso vertical laminated bamboo Joist)



Product code: VLBJ4060
Size: L1970*W60*T40

Product Description:

Dasso vertical laminated bamboo joist is made by natural bamboo strips which are reconstituted into laminated bamboo, like heat-treated wood after high temperature treatment. It has moderate density, excellent mechanical properties, and has a more stable structure than wood. At the same time, it has high durability and anti-termite performance, suitable for outdoor decking joist applications, instead of natural wood joist products.

Product Technical Specification and Tolerance

Properties	Standard
Length Tolerance	1970±0.5mm
Width Tolerance	60±0.3mm
Thickness Tolerance	40±0.2mm
Density	0.6-0.7 g/cm ³
Moisture Content	8~12%
Mechanical performance level	D40 expected (according EN 338)
Static Bending Strength	93.3N/mm ² (GB/T17657)
Modulus of Elasticity	11180 N/mm ² (GB/T17657)
Shear strength	5.56Mpa (ASTM 7078)
Tensile strength	82.6Mpa (GB/T1938)
Compression strength	97.8Mpa (GB/T1935)

Use class	class4 expected (according EN 335)
Fungal Durability	class0-1 (GB/T18261) class1 expected (EN 252 no report yet)
Soft-rot Durability	class0 (GB/T 13942) class1 expected(EN 113 no report yet)
Termite Resistance Level	class8.3 (GB/T18260) DC M expected (EN117 no report yet)
Nail-holding power	2.55 KN CV surface, 3.42KN CH surface(GB/T 17657)

Installation summary

- It is normal to have some small cracks on the surface, due to the damp heat and aging of the natural environment
- The ends should be as close as possible and need to be fixed on the base with screws
- Slight bending of the joist is normal which doesn't affect its use and performance after installation
- The recommended distance between the joists is 500mm, and the joist end needs to be on the supporting point to ensure the normal use of the joist