Technical Data Sheet

(dassoXTR bamboo Joist)

Product code	Size
XJ30-48-UAC	**L1860*W48*T30**

Product Description：

dassoXTR is made from compressed bamboo fibre, using a special patented heat treatment process, making it one of the strongest, stiffest and most durable materials on the market. Excellent mechanical properties, more stable structure than wood. At the same time, it has high durability and anti-termite performance, suitable for outdoor deck joist applications, replacing natural wood joist products.

Product Technical Specification and Tolerance

Specifications Properties	Length/mm	Width/mm	Thickness/mm
Tolerance	±0.5	±0.2	±0.15

Physical Properties	Standard
Density/Specific Gravity	1.15g/cm3
Moisture content	10%-14%
Hardness	106.8N/mm²(DIN EN 1534)
Reaction to Fire	Bfl-s1(DIN EN 13501-1:2010)
Static Bending Strength	Mean value:74.4N/mm²(DIN EN 408)
Modulus of Elasticity	Mean value:19100N/mm²(DIN EN 408)
Thickness of Swelling Rate	4.6%(DIN EN 15534-1)
Width of Swelling Rate	0.6%(DIN EN 15534-1)
Warping	≤6mm and quantity is less than 10%.
Banana Shape	≤1mm/m along the length of the panels
Bamboo Nodes	Nodes are separated its width ≤ 10 mm.
Height Difference	≤0.5mm
Packaging and label	According to packaging layout drawing, check the label

Biological and Chemical properties	Standard
Termite Resistance Level	DC M (EN117)
Biological Durability class	DC 1 (EN 350:2016)
Release of Formaldehyde	E1(<0.1mg/L) (GB/T17657-2013)

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