

DATASHEET

Technical

STANDARD LENGTHS & GRADES

2.4m, 3.0m, 3.6m, 4.2m, 4.8m

Intermediate lengths of 1.8m, 2.7m, 3.3m, 3.9m and 4.5m also available on a lower volume basis.

Finger Jointed Accoya is available as standard in 6m lengths. Bespoke lengths up to 7m available as a special order.

› Actual thickness and width dimensions of A1 and A2 grade are no more than 1mm less than nominal.
 › Companies processing Accoya can supply a wide range of standard and custom profiles from these sawn sizes.

› Accoya is available as:

- A1: 4 sides primarily clear. C22 strength grade.
- A2: 3 sides primarily clear. C16 strength grade
- FJ-A: Finger Jointed to clear lengths – See Finger joint leaflet for actual FJ dimensions
- HA1: Accoya Color Grey heartwood boards – See HA1 leaflet for further details.
- LAM: Laminated Accoya – See laminated leaflet for lamella dimensions

STANDARD DIMENSIONS & PRODUCT OFFER

Thickness (mm)	Widths (mm)						
	75	95	100	125	150	200	250
25mm			A1	A1/HA1	A1/HA1	A1	A1
32mm					A1/HA1	A1	
38mm				A1	A1	A1	
50mm			A1/A2	A1/A2/FJ-A	A1/A2/FJ-A	A1/A2/FJ-A	A1/A2
63mm	FJ-A		A1/A2/ FJ-A	A1/A2/ FJ-A/LAM	A1/A2/ FJ-A/LAM	A1/A2/ FJ-A/LAM	
75mm	FJ-A		A1/A2/ FJ-A	A1/A2/ FJ-A	A1/A2/ FJ-A/LAM	A1/A2/ FJ-A/LAM	
95mm		LAM					
105mm	LAM						

PRODUCT SPECIFICATION

MATERIAL	100% Solid wood
DURABILITY	EN 350 Class 1 (the highest rating) and exceeding the performance of durable woods in long term ground contact field tests according to the UK standards.
EQUILBRIUM MOISTURE CONTENT	3–5 % at 65% relative humidity, 20°C
DENSITY	Average 515 kg/m ³ , 65% RH, 20°C, Range 400 to 600 kg/m ³
SHRINKAGE (ISO 4469)	WET – 65% RH / 20°C* Radial – 0.4% Tangential – 0.8% WET – Oven Dry* Radial – 0.7% Tangential – 1.5% *Average Values
MATERIAL FIRE RATING	Class D or E in Europe depending on thickness profile and construction: <ul style="list-style-type: none"> • Class D for ≥22mm with square edge boards. • Class E is evaluated for a thickness range of 15 to 32mm, typical Accoya density range (440 – 600 kg/m³), and with difference surface textures (planed / brushed). • Accoya can be fire treated to achieve higher levels.
THERMAL CONDUCTIVITY	EN 12667, $\lambda = 0.12 \text{ W/m}\cdot\text{K}$
BENDING STRENGTH	Accoya A1 quality is classified in EN338 as C22 strength grade and Accoya A2 quality is classified as C16.
BENDING STIFFNESS	EN 408, 8800 N/mm ²
JANKA HARDNESS	ASTM D143, Side 4100 N (922 LBF), End grain 6600 N (1484 LBF).
BRINELL HARDNESS	2.4 EN 1534 (2010)

FOR MORE INFORMATION PLEASE REFER TO ACCOYA WOOD INFORMATION GUIDE ON ACCOYA.COM