

# 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

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

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