

MODIFIED TIMBER ACCOYA

Imagine a solid wood that is sourced from fast-growing sustainable forests, has zero toxicity and provides dimensional stability and durability that exceeds even the best tropical hardwoods.

Accoya wood has been tested over prolonged periods in all types of weathering conditions – above ground, below ground and even in water and has been proven to withstand the toughest of external environments. The exceptional durability and dimensional stability mean that Accoya wood requires significantly less maintenance, because paints and stains stay where they belong: on the wood. In fact test results between Accoya wood and unmodified wood constantly prove that coatings last up to 3 times as long on Accoya wood.

Technical information on Accoya

HOW TO USE ACCOYA WOOD

Transportation and Storage – Accoya wood should be carefully transported and stored in a manner consistent with other high quality woods. This includes keeping it from getting wet shortly before being processed. The equilibrium moisture content of Accoya wood is quite dry (3 – 5 % in normal conditions). Wood measuring more than 8% moisture content is likely to have excessive “free” water and should be allowed to dry.

Processing

As a result of kilning and our production process, Accoya wood may have some discolouration. Planning may be desired to remove surface decolourisation.

Fixings

Always attach Accoya wood with stainless steel fasteners and fittings with A2 or A4 (EN 10088-1) quality or A1S1 type 304 or 316 when possible. You may also use specially coated (epoxy, polyurethane) fasteners. Preferably pre-drill for screws. Attach small pieces, such as glazing rods, with staples to minimise chances of splitting, 18 gauge A2 quality staples are recommended.

Spanning eight decades of research, Accoya wood combines past and present scientific wood acetylation study with a proprietary production process to deliver reliable commercial scale results. The acetylation process used to make Accoya wood is entirely non-toxic and introduces no chemicals not already found in the wood. In producing Accoya wood, the chemical structure of the wood is modified from the surface to the core, providing outstanding and durable performance.

Coating

Accoya wood may be finished with semi- and non-film forming paint systems such as stains and oils. The products tested to date show that oil-based systems are more quickly absorbed by Accoya wood than water. Please refer to your coating supplier for advice about the best way to apply their products.

If using film-forming opaque and translucent coating systems, they should be applied on all sides with a minimum film thickness that corresponds to the requirements of the end product and/or paint supplier’s instructions. End grains should be sealed with a suitable product so the protection of all finished sides against water (liquid) uptake is approximately equal. Please contact your coating supplier for further advice.

Application suitability

Accoya wood offers unsurpassed dimensional stability and durability class 1 according to EN 350 – 2, EN 113 and ENV 807 in risk class1 to 4 according to EN 35 – 1. Permanent contact with materials that are pH9 and above is not recommended.

QUALITIES OF ROUGH SAWN ACCOYA WOOD	
Accoya A1 – 4	Sides primarily clear
Accoya A2 – 3	Sides primarily clear
Accoya A3 – 1	Side primarily clear
Accoya FJ- A	Optimised and finger jointed according to BRL 1704-2



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AVAILABLE GRADES:-

A1, Clear 4 faces, no defects. Discolouration not a defect

A2, No finger joint - Clear of defect on 3 faces, one face will have knots to 50mm in diameter, discolouration permissible

A3 & mixed No finger joint - One side will be clear of knots or defect. Mixed Grade - Will contain 50% A1, 30% A2 & 20% A3.

PROPERTIES

PHYSICAL/STRUCTURAL PROPERTIES	Not for structural application
MOISTURE CONTENT	Below 8%
TYPICAL APPLICATIONS	Joinery, Decking, cladding, outdoor furniture, fencing
DENSITY	490Kg/m ³
WASTAGE ALLOWANCE	15%
ORIGIN	Holland
DURABILITY	Class 1
ENVIRONMENTAL CREDENTIALS	FSC mixed source
STORAGE ADVICE	Undercover always
SUPPLIED FINISH	Rough sawn
GLUE	Din 4 external
STABILITY	Very stable
WORKING QUALITIES	Excellent working qualities to produce a superior finish
COATING	Paint manufacturers provide extended warranties on their product when used on Accoya
IRONMONGERY	Due to the Acetic acid present in Accoya, good quality stainless steel, brass or coated ironmongery is recommended



ACCOYA			
Product	Code	Available ex-Stock	Environmental Credentials
Accoya A1 Finger jointed Sawn Range			
50 x 100 x 6000mm	S0005858	Y	FSC
50 x 150 x 6000mm	S0005245	Y	FSC
63 x 75 x 6000mm	S0005271	Y	FSC
63 x 100 x 6000mm	S0005172	Y	FSC
63 x 125 x 6000mm	S0005171	Y	FSC
63 x 150 x 6000mm	S0005175	Y	FSC
75 x 75 x 6000mm	S0004984	Y	FSC
75 x 100 x 6000mm	S0005173	Y	FSC
75 x 125 x 6000mm	S0005246	Y	FSC
75 x 150 x 6000mm	S0005201	Y	FSC
Accoya A1 No Finger joint Sawn Range			
22 x 147mm	S0006084	Y	FSC
25 x 100mm	S0005195	Y	FSC
25 x 125mm	S0006023	Y	FSC
25 x 150mm cladding grade	S0005203	Y	FSC
38 x 150mm	S0005193	Y	FSC
38 x 200mm	S0005208	Y	FSC
50 x 100mm	S0005857	Y	FSC
50 x 125mm A1 Plus	S0006009	Y	FSC
50 x 150mm	S0005173	Y	FSC
50 x 200mm	S0005661	Y	FSC
63 x 100mm	S0005655	Y	FSC
63 x 125mm	S0005334	Y	FSC
63 x 125mm A1 Plus	S0006027	Y	FSC
63 x 150mm	S0005335	Y	FSC
75 x 100mm	S0005739	Y	FSC
75 x 125mm	S0006094	Y	FSC
75 x 150mm	S0005624	Y	FSC
Accoya A2 No Finger joint Sawn Range			
25 x 300mm	S0005966	Y	FSC
Accoya A3 & Mixed Grade No Finger joint Sawn Range			
22 x 145mm	S0005211	Y	FSC
63 x 200mm	S0006022	Y	FSC

Additional specifications, sizes, chain of custody and specials are available to order

