Accoya is a modified wood setting the benchmark for wood performance, finish and sustainability. It has been proven through intensive testing and in 1000s of projects worldwide to outperform the competition.

Approved Manufacturer Training Program
Accsys run a training program for manufacturers of Accoya products. We strongly recommend all companies manufacturing products from Accoya participate in the program.

Key features
Accoya wood is produced from sustainably sourced, fast growing wood and manufactured using Accsys’ proprietary patented modification process from surface to core.

Standard lengths & grades
94.5", 118.1", 141.7", 165.4", 189.0"
Intermediate lengths of 70.9", 106.3", 129.9", 153.5" and 177.2" and 4.5m also available on a lower volume basis. Finger jointed available in 165.4", 189.0", and 236.2" lengths.
› All A1, A2 and B grade dimensions are actual rough sawn.
› Companies processing Accoya can supply a wide range of standard and custom profiles from these sawn sizes.
› Accoya is available in four primary grades:
  - FJ/A1: Finger Jointed to clear lengths.
  - A2: 3 sides primarily clear. C16 strength grade.
  - B: Where there is greater tolerance for defects such as knots, resin pockets, wane or edge damage.

* See Finger Joint leaflet for actual FJ dimensions

Standard dimensions & grades

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<th>Heights</th>
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* See Finger Joint leaflet for actual FJ dimensions
Insect decay

Accoya wood is indigestible to a wide range of pests and an effective barrier to attack. Five year ground contact testing by independent laboratories in Florida USA, Northern Territory Australia and sites across Thailand has shown less termite damage on Accoya than on naturally durable species such as FEQ Burmese Teak and Spotted Gum.

Salt water contact and immersion

Accoya is not detrimentally affected by salt water contact or immersion. Field testing over 10 years immersion have shown some attack on Accoya by marine organisms but less than that sustained on other durable woods in test.

Machinability

Processing does not affect the unique properties of Accoya wood, as it is modified to the core. It is relatively easy to process and comparable to a softwood or medium density hardwood such as Yellow Poplar (Tulip Wood). With the right training no special tools are required for cross cutting, ripping, planing, routing and drilling. Further details can be found in the Accoya Wood Information Guide.

Gluing

Both load bearing and non-load bearing applications have been tested using adhesive systems for laminating, finger jointing and frame corner joints. While good results can be achieved with most common adhesives, PU, EPI, epoxy and PRF give the best results. Results using polyvinyl acetate (PVAc) can vary greatly. MUF adhesives should be avoided. Contact your adhesive supplier for more information.

Finishing

A finish or coating does not need to be applied to Accoya to achieve longevity and dimensional stability. Details on natural weathering of uncoated Accoya can be found in the Wood Information Guide. Most commonly used coating systems can be used on Accoya wood. Testing has been performed with a full range of oil-based and water-based coating systems. Leading coating manufacturers have found that their film form coating systems last longer on Accoya. Contact your coating supplier for more information.

Fastening

The use of corrosion-proof steel fastenings that conform to EN 10088-1 is recommended such as A2, A4 quality stainless steel. Use of other metals and alloys is included in the Accoya Wood Information Guide.

Material

100% Solid Accoya 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 AWPA E7 method in Florida, USA and similar tests to national standards in Australia, Japan and New Zealand

Equilibrium Moisture Content

3–5 % at 65% relative humidity, 20°C

Density

Average 32 p.c.f., 65% RH, 20°C, Range 27 to 37 p.c.f.

Shrinkage

WET – 65% RH / 20°C* WET – Oven Dry*
Radial – 0.4% Radial – 0.7%
Tangential – 0.8% Tangential – 1.5%
*Average Values

Material Fire Rating

Class C in USA (ASTM E84) and D in Europe (EN149915) like most softwoods. Accoya wood can be fire treated to meet higher requirements.

Thermal Conductivity

EN 12667, λ = 0.12 W/m·K
ASTM C177, y = 0.102 W/m-K

Bending Strength

Accoya A1 quality is classified as European C22 strength grade and Accoya A2 quality is classified as C16.

Bending Stiffness

ASTM D143, MOR = 13,144 psi

Janka Hardness

ASTM D143, Side 4100 N (922 LBF), End grain 6600 N (1484 LBF).

Brinell Hardness

EN 1534 (2010) value 2.4

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For more information please refer to the Wood Information Guide at www.accoya.com

Certified as compliant with US Building Code for decking and porch boards in termite zones for Above Ground and Ground Contact: ICC ESR 2825

Approved by WDMA as compliant with WDMA 15.4

Certified as compliant with Cradle-to-Grave with Platinum Level Material Health Certificate