



# QUICK GUIDE: HOW TO USE ACCOYA® WOOD

## TRANSPORTATION AND STORAGE

Accoya® wood should be carefully transported and stored horizontally 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 before further processing.

## MACHINABILITY

Processing does not affect the unique properties of Accoya® wood, as it is modified throughout and not leachable. It is relatively easy to process and can be compared to profiling a soft wood species. No special tools are required for cross cutting, ripping, planing, routing and drilling. Sanding before finishing is rarely required.

## DISCOLORATION

The kiln-drying and our production process can result in discoloration of the Accoya® wood generally up to 5mm in depth with sticker marks up to 6mm in depth, dependent on natural wood variation.

## GLUING

Both load bearing and non-load bearing applications have been tested using adhesive systems related to laminating, finger jointing and frame corner joints. While good results can be achieved with most common adhesives. PU, epoxy, PRF and EPI adhesives give the best results. Gluing with MUF and PVA adhesives are not generally recommended due to the high variation in performance. Specific recommendations for your project are available upon request.

## FASTENING

In good joinery practice, the use of corrosion proof metal fasteners such as 304 or 316 stainless steel and 6063 anodized aluminum or other metal that conforms to AWPA E12. Use of other metals and alloys is included in the Accoya® Wood Information Guide.

## COATING

Accoya® wood may be finished with semi-and non-film forming coating systems such as stains and oils. Oils or oil-based products tend to be absorbed quickly and in large quantities. To minimize absorption, let the first coat dry before applying additional coats. As oils can be a food source for disfiguring fungi, products containing a mouldicide are recommended. 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 (preferably factory applied) 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. The rate of drying and/or curing of a coating might be different with Accoya® wood, and the paint supplier's guidance should be followed, often resulting in overnight drying. Some applications may call for the use of a primer containing stain blockers and/or a mouldicide. Please contact your coating supplier for further advice.

## APPLICATION SUITABILITY

Accoya® wood offers unsurpassed dimensional stability and durability. Approved for use in UC3A, UC3B & UC4A categories per AWPA U1, this includes exterior above ground AND ground contact. Prolonged contact with materials or chemicals that are pH9 and above is not recommended. The visual wood quality is described by the order confirmation and the “Accoya® Radiata Pine Lumber Grading Specifications”.

GRADE	QUALITY
Accoya® A1	4-sides primarily clear
Accoya® A2	3-sides primarily clear

Please refer to the Accoya grading guide on [www.accoya.com](http://www.accoya.com) for a full description of the Accoya grades.

## MORE INFORMATION

Please refer to the comprehensive Accoya® Wood Information Guide or contact your supplier or Accsys Group for additional information. Please contact us or visit [www.accoya.com](http://www.accoya.com) for your nearest distributor.

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