

Wood Without Compromise



Class 1 Durability
Increased Hardness



Outstanding
Dimensional Stability



Extensively Tested
Long Lasting



Superior UV Resistance



Insect & Fungi
Resistance



Improved Thermal
Insulation



100% Modified from
Surface to Core
Consistent Quality



Ease of Processing
& Coating



Source Certified
Sustainable



Non-Toxic
Recyclable

Available Dimensions*

Dimensions		Qualities
22 x 145mm	(0.8" x 5.7")	4 & 1 Sided Clear
25 x 100mm	(0.9" x 3.9")	4 & 1 Sided Clear
25 x 125mm	(0.9" x 4.9")	4 & 1 Sided Clear, Finger Jointed
25 x 150mm	(0.9" x 5.9")	4 & 3 Sided Clear, Mixed, Dressing, Finger Jointed, Planed
25 x 200mm	(0.9" x 7.8")	4 Sided Clear, Mixed
25 x 300mm	(0.9" x 11.8")	4 & 3 Sided Clear
38 x 150mm	(1.5" x 5.9")	4, 3 & 1 Sided Clear, Mixed
38 x 175mm	(1.5" x 6.8")	4 Sided Clear
38 x 200mm	(1.5" x 7.8")	4 Sided Clear
40 x 125mm	(1.5" x 4.9")	Mixed, Dressing
50 x 100mm	(1.9" x 3.9")	Mixed
50 x 150mm	(1.9" x 5.9")	4 & 3 Sided Clear, Mixed
50 x 250mm	(1.9" x 9.8")	Mixed
63 x 75mm	(2.4" x 2.9")	Finger Jointed, Mixed
63 x 100mm	(2.4" x 3.9")	Finger Jointed, Mixed
63 x 125mm	(2.4" x 4.9")	Finger Jointed, Mixed
63 x 145mm	(2.4" x 5.7")	1 Sided Clear, Finger Jointed
63 x 150mm	(2.4" x 5.9")	Finger Jointed, Mixed
63 x 200mm	(2.4" x 7.8")	Finger Jointed, Mixed
75 x 75mm	(2.9" x 2.9")	Finger Jointed, Mixed
75 x 95mm	(2.9" x 3.7")	Finger Jointed, Mixed
75 x 100mm	(2.9" x 3.9")	4 Sided Clear, Mixed, Finger Jointed
75 x 125mm	(2.9" x 4.9")	4, 3 & 1 Sided Clear, Mixed, Finger Jointed
75 x 145mm	(2.9" x 5.7")	1 Sided Clear
75 x 150mm	(2.9" x 5.9")	4 & 3 Sided Clear, Mixed, Dressing, Finger Jointed
75 x 225mm	(2.9" x 8.8")	Mixed
100 x 100mm	(3.9" x 3.9")	1 Sided Clear, Mixed, Dressing, Finger Jointed
100 x 125mm	(3.9" x 4.9")	1 Sided Clear, Mixed, Finger Jointed
100 x 150mm	(3.9" x 5.9")	4, 3 & 1 Sided Clear, Mixed, Dressing, Finger Jointed

Standard lengths are 2.1m, 2.4m, 3.0m, 3.6m, 4.2m and 4.8m. All dimensions are actual rough sawn before planing or finger jointing. Standard finger jointed length is 6m.

* Standard North American dimensions in 4/4 through 8/4 in up to 16' lengths are available.

* Accoya® wood is available in many standard decking sizes and siding patterns from our partners. Blanks, Laminates and other special products are available upon request.

Contact Information

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▼ Accoya® Wood Properties

▶ Introduction

Accoya® wood can be produced from a range of sustainable softwood and hardwood species. These species' base properties are reflected even upon acetylation. Properties of species available to date for the North American market are shown below. For other species' information please contact Titan Wood directly.

▶ Durability

Accoya® wood is very durable and is classified as Durability Class 1 (the highest available) according to international standards. It has excellent fungus resistance against a broad spectrum including cellar, wet rot, dry rot, soft rot, white, brown and pore fungi.

▶ Pest Resistance

Since Accoya® wood is not digestible by a wide range of pests, it has high destruction resistance. For example, testing for termite resistance following AwPA E1 test standards yielded appearance ratings always ≥ 9 (Light Attack) versus control sample averages of 3.5 (worse than Heavy Attack). Weight loss averaged 1.43% for Accoya® wood versus control sample averages of 32.06%.

▶ Equilibrium Moisture Content

3 - 5 % at 65% Relative Humidity, 68°F or 20°C

▶ Density and Spreading

Accoya® Radiata Pine		Accoya® Southern Yellow Pine	
65% RH, 68°F, 20°C Average 32 lb/ft ³ , Range 27 to 37 lb/ft ³		65% RH, 68°F, 20°C Average 39 lb/ft ³ , Range 36 to 43 lb/ft ³	

▶ Shrinkage

Wet - 65% RH, 68°F, 20°C		Wet - Oven Dry		Wet - Air Dry		Wet - Oven Dry	
Radial	0.4%	Radial	0.7%	Radial	0.1%	Radial	1.6%
Tangential	0.8%	Tangential	1.5%	Tangential	0.1%	Tangential	1.6%

▶ Janka Hardness

ASTM D143 Side 922 LBF End grain 1484 LBF	ASTM D143 Side 958 LBF End grain 1531 LBF
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▶ Bending Strength*

EN 408 5,656 psi	ASTM D143 12,700 psi
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▶ Bending Stiffness*

EN 408 1.27 10 ⁶ psi	ASTM D143 1.55 10 ⁶ psi
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▶ Thermal Conductivity

EN 12667 $\lambda = 0.13 \text{ Wm}^{-1}\text{K}^{-1}$
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▶ Machinability

Processing of Accoya® wood does not affect its unique properties (such as durability and dimensional stability) as the wood is modified throughout and is not leachable. In general, Accoya® wood is relatively easy to process and can be compared with profiling a soft wood species. No special tools are required for cross cutting, ripping, planing, routing and drilling. Sanding before finishing is rarely required. Thus, processing expenses are reduced and overall yield is superior.

▶ Gluing

Both load bearing and non-load bearing applications have been tested using adhesive systems related to laminating, finger jointing and frame corner joints. Good results can be achieved with most common adhesives. In general, best gluing results are obtained with PU, epoxy and PRF adhesives. Gluing with MUF is not recommended.

▶ Finishing

Most commonly used coating systems can be used on Accoya® wood. Its high dimensional stability reduces coating tension during changing climates. Leading coating manufacturers have found that their products last 3 or more times longer when used on Accoya® wood. Testing has been performed with opaque hybrid, opaque acrylic dispersion and transparent alkyd emulsions coating systems.



All Accoya® wood is produced from well managed, sustainable sources, including FSC, PEFC and other regionally certified woods.

Please note that all values are expressed as average values unless otherwise stated.

* Bending strength and stiffness are expressed as average values and not as characteristic values. These values should not be used for calculations in respect to structural applications. Please contact Titan Wood for assistance in planning for structural uses.