

Product Data Sheet Definition

A technical reference document that consolidates a product's key characteristics, available options, dimensions, performance data, aesthetic attributes, certifications, compliance information, and supporting resources. It is intended to provide architects, designers, contractors, and other project teams with the information needed to evaluate, specify, approve, and appropriately use the product.

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Accoya®: Acetylated Radiata Pine

Accoya® is a high-performance wood cladding manufactured from sustainably sourced radiata pine and modified through a proprietary acetylation process. Engineered for exceptional durability and dimensional stability, Accoya resists swelling, shrinking, and movement, making it well suited for demanding exterior applications. Accoya offers long-term durability, reduced maintenance, and reliable performance in a wide range of climates.

Accoya®: Shou Sugi Ban Prefinished

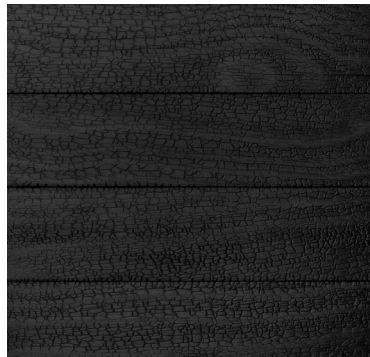
Accoya is available with shou sugi ban finishes created through a controlled charring process that transforms the wood surface, producing distinctive color, texture, and visual depth.

Fully Charred

A surface intentionally left with the pronounced texture, depth, and variation created by the charring process.



MATSU
Interior Cladding



MATSU 3.0
Exterior Cladding
Requires top coat applied post installation

Accoya®: Shou Sugi Ban Prefinished

Accoya is available with shou sugi ban finishes created through a controlled charring process that transforms the wood surface, producing distinctive color, texture, and visual depth.

Smooth

A relatively clean, refined appearance with minimal texture, allowing the finish color and natural character of the wood to remain visually prominent.



UNAGI 2.0 Smooth

Exterior and Interior Cladding



NIGIRI

Exterior and interior Cladding

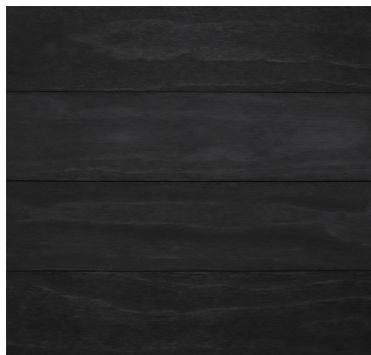


IKIGAI

Exterior and Interior Cladding

Tactile

A moderately textured surface that adds depth and dimension that you can see and feel.



UNAGI 2.0 Tactile

Exterior and interior Cladding



SAMITTO

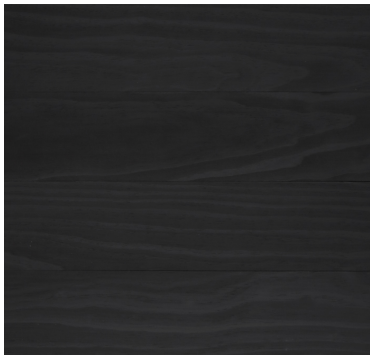
Exterior and Interior Cladding

Accoya®: Prefinished

These finishes combine color and surface texture to create visual expressions. The following eight colors are available with three distinct textures – Smooth, Tactile, or Linear. The selected texture influences the overall appearance, surface depth, and variation of the product.

Smooth

A relatively clean, refined appearance with minimal texture, allowing the finish color and natural character of the wood to remain visually prominent.



EVERRA Smooth
Exterior and interior Cladding



ALLETH Smooth
Exterior and Interior Cladding



KATMOR Smooth
Exterior and Interior Cladding



SEQUOYA Smooth
Exterior and Interior Cladding



ARK Smooth
Exterior and interior Cladding



YOSE Smooth
Exterior and Interior Cladding



ELOW Smooth
Exterior and Interior Cladding



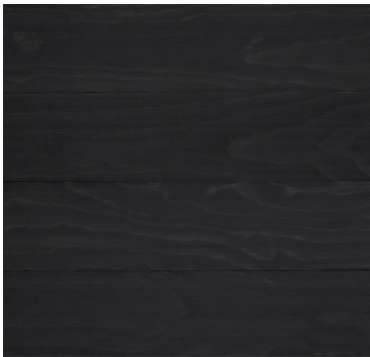
OLYTH Smooth
Exterior and Interior Cladding

Accoya®: Prefinished

These finishes combine color and surface texture to create visual expressions. The following eight colors are available with three distinct textures – Smooth, Tactile, or Linear. The selected texture influences the overall appearance, surface depth, and variation of the product.

Tactile

A moderately textured surface that adds depth and dimension that you can see and feel.



EVERRA Tactile
Exterior and interior Cladding



ALLETH Tactile
Exterior and Interior Cladding



KATMOR Tactile
Exterior and Interior Cladding



SEQUOYA Tactile
Exterior and Interior Cladding



ARK Tactile
Exterior and interior Cladding



YOSE Tactile
Exterior and Interior Cladding



ELOW Tactile
Exterior and Interior Cladding



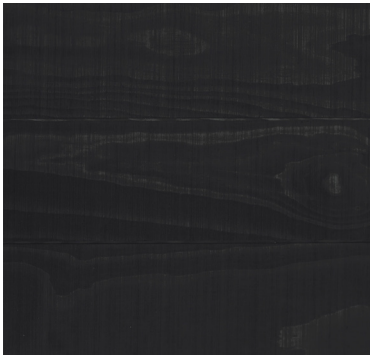
OLYTH Tactile
Exterior and Interior Cladding

Accoya®: Prefinished

These finishes combine color and surface texture to create visual expressions. The following eight colors are available with three distinct textures – Smooth, Tactile, or Linear. The selected texture influences the overall appearance, surface depth, and variation of the product.

Linear

A more heavily textured surface with fine, closely spaced lines running perpendicular to the grain for greater visual depth and character.



EVERRA Linear
Exterior and interior Cladding



ALLETH Linear
Exterior and Interior Cladding



KATMOR Linear
Exterior and Interior Cladding



SEQUOYA Linear
Exterior and Interior Cladding



ARK Linear
Exterior and interior Cladding



YOSE Linear
Exterior and Interior Cladding



ELOW Linear
Exterior and Interior Cladding



OLYTH Linear
Exterior and Interior Cladding

Accoya®: Unfinished

Accoya is available with unfinished surfaces in either its natural state or with Through Body Color. Through Body Color introduces color into the wood itself rather than through a surface applied finish, while the wood surface remains unfinished. Surface texture varies by product.

Natural

Accoya in its natural state without a factory applied surface finish. The wood retains its natural appearance and is left to weather naturally.

Milled Smooth

A uniformly milled surface with no added texturing.

**KOWHAI**

Decking
Exterior and interior Cladding

Accoya®: Unfinished

Accoya is available with unfinished surfaces in either its natural state or with Through Body Color. Through Body Color introduces color into the wood itself rather than through a surface applied finish, while the wood surface remains unfinished. Surface texture varies by product.

Through Body Color

Accoya with color introduced into the wood itself rather than applied as a surface finish. The surface remains unfinished, while the color extends below the face of the board and remains visible after texture is applied.



OXFORD

Milled Smooth

Decking and
Exterior and interior Cladding



GREY MATTER

Smooth

Decking and
Exterior and interior Cladding



MARENGO

Tactile

Decking and
Exterior and interior Cladding

Attributes | “What is it?”

Fixed, intrinsic facts about the product’s identity. These fields do not change based on use, environment, or application context.

Field	Data
Species	Acetylated Radiata Pine (Pinus radiata)
Grade / Cut	Select / Flatsawn
Process	Accoya® wood uses acetylation, a proven wood modification process enhanced through patented technology, to modify the wood at the molecular level, reducing moisture absorption and improving dimensional stability, durability, and resistance to decay.
Dimensions / lengths	Cladding: Tongue & Groove (T&G): 3/4” thick x 5-3/8” wide, 3/4” thick x 7-3/8” wide Cladding: S4S: 3/4” thick x 5-3/4” wide, 3/4” thick x 7-3/4” wide Decking: E4E: 3/4” thick x +/- 5-3/4” wide Decking: E4E: 1” thick x +/- 5-3/4” wide (OXFORD only) Decking: E4E with Gooves (accepts a clip system): 3/4” thick x +/- 5-3/4” wide Applicable for Cladding and Decking: • 6’-16’ random lengths • Inquire about custom dimensions and millings
Moisture Content (MC)	Less than 12% MC at time of shipment
Average Density	32 lb/ft³ (515 kg/m³)
pH (approximate)	4.0 - 5.5

Performance | “How does it perform?”

Measurable, testable outcomes under real-world conditions. Ratings, test values, and expected behavior over time.

Field	Data
Janka Hardness	922 lbf, ASTM D 143
Dimensional Movement	Radial shrinkage: 0.4% (65% RH), 0.7% (oven dry) Tangential shrinkage: 0.8% (65% RH), 1.5% (oven dry) ISO 4469
Durability Class	Class 1, EN 113-2:2020
Warranty	50 year limited warranty above ground; 25 year limited warranty at or below ground and for deck boards on fresh and saltwater docks.
Through Body Color Warranty	Cladding, trim + millwork: 50 years; Decking: 25 years residential / 10 years commercial. Florida subject to commercial warranty terms.
Thermal Conductivity	0.102 W/mK, ASTM C177
Insect Resistance	AWPA E7/E10 average rating >9; demonstrated resistance to wood destroying organisms
Fire Rating	Per ASTM E84: • Flame Spread Class Rating, Class III (C) • Flame Spread Index, 80 • Smoke Developed Index, 200 Certain products can be fire treated to Class I (A) for interior applications. Contact RESAWN for applicable products.

Aesthetics | “What does it look like?”

Sensory and visual qualities a designer or specifier evaluates when selecting a product.

Field	Data
Visual Grade Characteristics	SELECT • Sound knots of a maximum 1/2” diameter permitted • No open knots on the sound face • Rare for a board’s sound face to show more than one knot
Finish Type	Oil: NIGIRI, IKIGAI, SAMITTO Waterborne Oil: MATSU 3.0, UNAGI 2.0, EVERRA, ALLETH, KATMOR, SEQOYA, ARK, YOSE, ELOW, OLYTH Water-based: MATSU
Texture	Shou Sugi Ban Prefinished, Fully Charred: MATSU, MATSU 3.0 Shou Sugi Ban Prefinished, Smooth: NIGIRI, IKIGAI, UNAGI 2.0 Shou Sugi Ban Prefinished, Tactile: SAMITTO, UNAGI 2.0 Prefinished, Smooth: EVERRA, ALLETH, KATMOR, SEQOYA, ARK, YOSE, ELOW, OLYTH Prefinished, Tactile: EVERRA, ALLETH, KATMOR, SEQOYA, ARK, YOSE, ELOW, OLYTH Prefinished, Linear: EVERRA, ALLETH, KATMOR, SEQOYA, ARK, YOSE, ELOW, OLYTH Unfinished, Natural, Milled Smooth: KOWHAI Unfinished, Through Body Color, Milled Smooth: OXFORD Unfinished, Through Body Color, Smooth: GREY MATTER Unfinished, Through Body Color, Tactile: MARENGO
Weathering behavior	Color and tone will naturally evolve with UV and weather exposure; the rate and appearance of weathering vary by finish, orientation, and environmental conditions. See RESAWN’s Weathering + Maintenance Guidelines for product-specific guidance.

Certifications, Compliance + Sustainability | “Who supports it?”

Third party certifications, testing, code-related documentation, and environmental declarations used to support specification and compliance review.

Field	Data
WUI	Accoya has been tested as part of an exterior wall assembly to SFM 12 7A 1 for California WUI applications. Other code compliant assembly pathways may also be permitted. Final acceptance is subject to the project specific assembly, applicable code, and local AHJ. Contact RESAWN for documentation and tested assembly requirements.
FSC® Certification	RESAWN is FSC® Chain of Custody certified and may supply Accoya with FSC 100% or FSC Mix claims, as applicable to the specific order. Contact RESAWN for more detail. • Certificate Code: SCS-COC-005058 • Trademark License Code: FSC-C122513
Cradle to Cradle Certified®	Accoya wood is Cradle to Cradle Certified® Gold, with Platinum certification for Material Health.
Declare	Accoya is covered by a current Declare Label issued through the International Living Future Institute.
Environmental Product Declaration	Third party verified Environmental Product Declarations are available for Accoya wood and specific applications, including cladding and decking, in accordance with EN 15804+A2.
LEED Contribution	May contribute to applicable LEED requirements through responsible sourcing, environmental product disclosure, and material ingredient documentation. Applicability is subject to the selected product, project, and LEED rating system. Project teams are responsible for determining credit applicability and documenting compliance.
Finish VOC Content	Zero VOC: MATSU, NIGIRI, IKIGAI, SAMITTO Low VOC (50g/l max): MATSU 3.0, UNAGI 2.0, EVERRA, ALLETH, KATMOR, SEQOYA, ARK, YOSE, ELOW, OLYTH

Special Notes

Supporting References

- Material Characteristics + Expectations Guide: General information on natural wood characteristics, variation, and expected appearance.
- Exterior Wood Cladding Installation Guide: Installation requirements and recommendations for exterior applications.
- Interior Wall Cladding Installation Guides: Separate guidance for Charred and Prefinished products.
- Maintenance Guides: Cleaning, recoating, touch up, and end sealer guidance, as applicable to the selected product and finish.
- Weathering Guides: Product specific guidance on expected color and appearance changes from UV exposure and environmental conditions.
- 3-Part Specification: Project specific specification language prepared by RESAWN upon request to support open bid or closed bid procurement.

Services

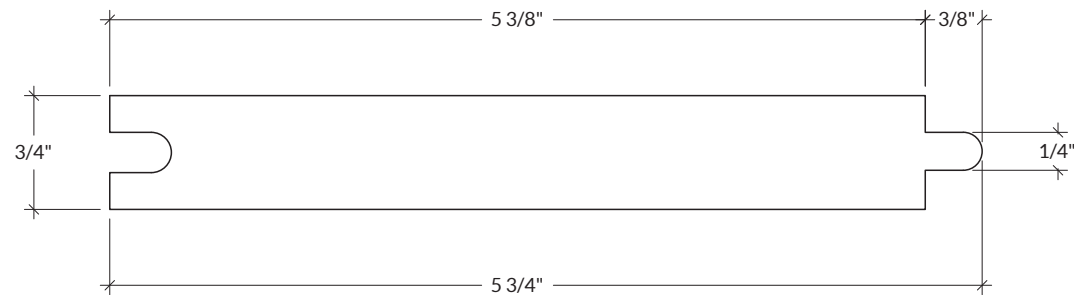
- Design Assist Services: Fee-based, project-specific technical and design support available through RESAWN for product integration, detailing, constructability, attachment strategy, mockup planning, specification support, and related project needs.

Standard Dimensions + Milling | Custom dimensions and milling may be available upon request

Drawings shown below are not to scale and are provided for reference only to illustrate general configuration and design intent.

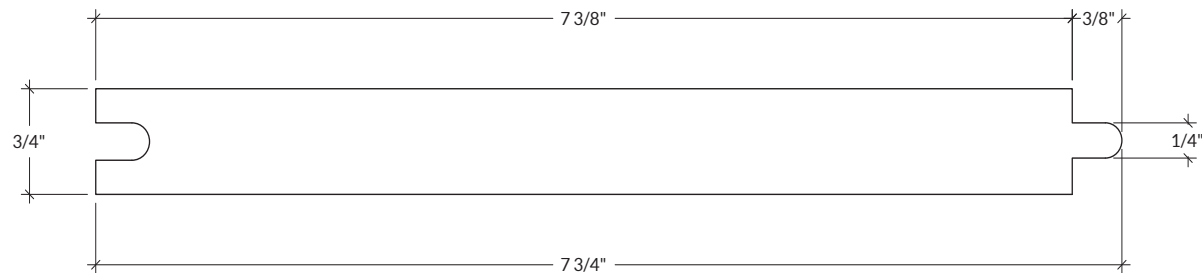
Cladding - Tongue & Groove (T&G): 3/4" x 5-3/8" x 6-16' random lengths

T&G with a reveal may be available; contact RESAWN for more information



Cladding - Tongue & Groove (T&G): 3/4" x 7-3/8" x 6-16' random lengths

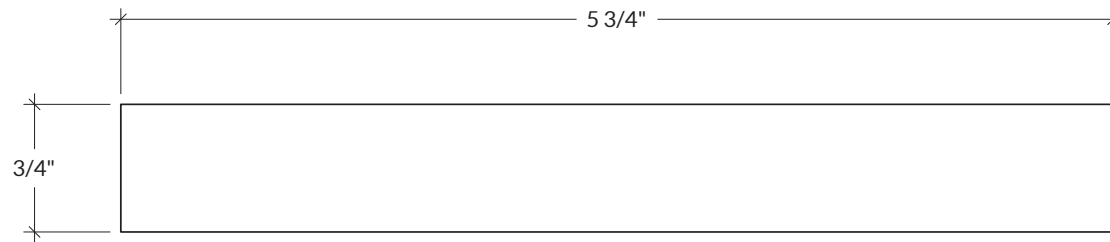
T&G with a reveal may be available; contact RESAWN for more information



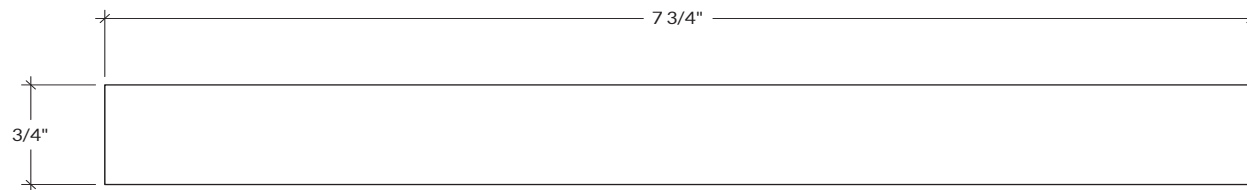
Standard Dimensions + Milling | Custom dimensions and milling may be available upon request

Drawings shown below are not to scale and are provided for reference only to illustrate general configuration and design intent.

Cladding - S4S: 3/4" x 5-3/4" x 6-16' random lengths



Cladding - S4S: 3/4" x 7-3/4" x 6-16' random lengths



Standard Dimensions + Milling | Custom dimensions and milling may be available upon request

Drawings shown below are not to scale and are provided for reference only to illustrate general configuration and design intent.

Decking - E4E: 1" x 5-3/4" x 6-16' random lengths

OXFORD only

