

IMPORTANT: This Usage Guide is in reference to WEATHERED exterior designs, MONTE and Unfinished Accoya and Kebony materials only.

See our CHARRED Usage Guide for specific information on our shou sugi ban CHARRED materials and our Abodo® Usage Guide for specific information on Abodo.

Committed to providing the highest performing materials, our exterior cladding consist of domestic cedar species and modified Kebony® and Accoya® woods. Our designs have been carefully developed using modern finishes and incorporating our many years of experience in the architectural & design specification market. It is essential that these unique materials are understood and expectations are set prior to ordering. It is critical that every architect, designer, installer and end-user reads and understands this document and the applicable install guide BEFORE materials are ordered.

STANDARD DIMENSIONS & MILLING:

ALASKAN YELLOW CEDAR:

- 3/4" thick X 5-1/8" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 3/4" thick X 6-3/4" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 3/4" thick X 5-1/2" wide X 6-16' random lengths for S4S milling

ATLANTIC WHITE CEDAR:

- 3/4" thick X 5-1/8" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 3/4" thick X 5-1/2" wide X 6-16' random lengths for S4S milling

WESTERN RED CEDAR:

- 3/4" thick X 5" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 3/4" thick X 6-3/4" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 3/4" thick X 5-1/2" wide X 6-16' random lengths for S4S milling

ACCOYA WOOD:

- 5/8" thick X 5-3/8" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 3/4" thick X 5-3/8" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 3/4" thick X 7-3/8" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 5/8" thick X 5-3/4" wide X 6-16' random lengths for S4S milling and E4E decking profile
- 3/4" thick X 5-3/4" wide X 6-16' random lengths for S4S milling
- 3/4" thick X 7-3/4" wide X 6-16' random lengths for S4S milling

KEBONY WOOD:

- 13/16" thick X 5-3/8" wide X 6-16' random lengths for T&G or Standard Shiplap milling
- 13/16" thick X 5-3/4" wide X 6-16' random lengths for S4S milling

DIMENSIONAL VARIATIONS

Although our materials are milled and finished in a controlled environment, wood is a natural material that may have slight dimensional variations. Our products are machined with standard dimensions, but the overall process could affect material thicknesses and widths. Product photos and samples provided by reSAWN TIMBER co. are meant to be a general guide to product dimensions only. The thickness and width may vary between individual boards on a project and may not be an exact match to samples/photos* **ACTUAL THICKNESS and WIDTH MAY VARY BY 1/16" ***

OF NOTE:

- Minimum Order Quantity = 100 sf
- FOR ORDERS UNDER 200 sf - lengths are random 6-10'
- Custom milling profiles, widths and lengths available - Call for details and pricing.
- We recommend ordering a waste factor of 15% with all EXTERIOR materials.

MATERIAL CONSIDERATIONS

VARIATIONS:

The finishing process is performed under controlled conditions; however, due to the nature and grain pattern of wood and our hand crafted process, there will be a natural variation to the color and pattern of these materials. Each plank reacts to the process differently depending on the grain pattern and character of the wood. Product photos and samples provided by reSAWN TIMBER co. are meant to be a general guide to product appearance only. The color, grain pattern, and character will vary between individual boards on a project and will never be an exact match to samples/photos.

CEDAR - GRADE + PERFORMANCE

SELECT TIGHT KNOT (STK) - Knots, burls and naturally occurring markings which are of fairly uniform distribution and add to the decorative character of the piece. Sound, tight knots: star checked and/or slightly chipped knots permitted. Rustic in appearance.

CLEAR VERTICAL GRAIN (CVG) - Smooth face of decay resistant heartwood. Free from growth characteristics. Uniform and consistent in appearance.

Grade applies to an order as a whole, not individual pieces. The higher the grade, the better it is felt the wood will perform, especially in exterior applications.

ALASKAN YELLOW CEDAR

Sourced along the Pacific coast from Alaska to Oregon, Alaskan Yellow Cedar is well known as the hardest cedar in the world. It's slow growth rate makes it highly resistant to disease and decay. It also has a high degree of stability. We chose Alaskan Yellow Cedar for its ability to accept and hold finishes, which made it a perfect species for our weathered designs. The weathered designs provide an exterior material that will have minimal aesthetic variation throughout its installation.

ATLANTIC WHITE CEDAR

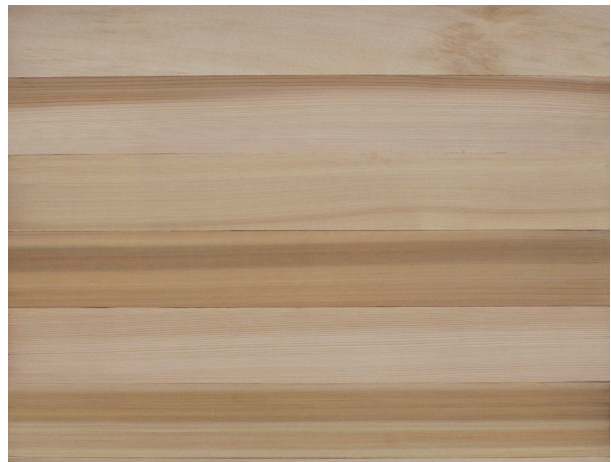
Grown along the Atlantic coast from Maine to Florida, Atlantic White Cedar is widely used as exterior siding material for its decay resistance and durability. We chose the domestic softwood for its ability to accept and hold finishes, which made it a perfect species for our weathered designs. The weathered designs provide an exterior material that will have minimal aesthetic variation throughout its installation.

WESTERN RED CEDAR

Western Red Cedar is a world renowned exterior siding material. The North American softwood is known for its natural beauty and durability. Its ability to accept various finishing techniques has made it an ideal species for reSAWN's EXTERIOR finishes.



**WESTERN RED CEDAR
SELECT TIGHT KNOT (STK)**



**WESTERN RED CEDAR
CLEAR VERTICAL GRAIN (CVG)**

ACCOYA GRADE + PERFORMANCE:

All of our Accoya® designs are on SELECT grade Radiata Pine. Grade applies to an order as a whole, not individual pieces. The higher the grade, the better it is felt the wood will perform, especially in exterior applications.

SELECT (A1)

The Select grade is of the highest quality and should be specified for any use where appearance is of the utmost importance, such as paneling, flooring, partition, etc. Four sides primarily clear with total allowance of the following:

Pieces less than 2" thick:

- Up to three of the following defects or equivalents:
 - Knot (pin): 1/3" or less
 - Bark or resin pocket: 1/3" wide, 2" long, or equivalent

Resin Streaks:

- Three up to 1/3" wide, 4" long, or equivalent, slightly more for a short distance

Surface Checks:

- Three up to 1/16" wide, 10" long or equivalent, slightly more for a short distance.
- For boards 8-12" wide the following additional allowance applies: Up to 1 surface check per 2" width, no wider than 1/16", 10" long or equivalent, slightly more for a short distance.

Splits:

- Short split, up to width of board and not to exceed 8"

Needle fleck/Bird eye:

- Medium bird's eye or fleck.

Wane:

- Up to 1/3" in depth, 1/4 length of board or equivalent, slightly more for short distance. Transport damage is permitted within the same wane limits.

KEBONY - GRADE + PERFORMANCE

KEBONY CLEAR - Produced from FSC® certified Radiata Pine. Kebony Clear products can be cross-cut to length. Exposed end-grain after cross-cutting must be treated with a wood preservative.



KOWHAI - SELECT GRADE ACCOYA



VEI - SELECT GRADE KEBONY

CARE + MAINTENANCE GUIDELINES

WEAR:

These materials are meant to age in place and will weather naturally over time. Exterior materials can be sprayed down with a hose and brushed with a soft bristle but are not meant to be power washed.

MAINTENANCE:

Proper maintenance starts with visual inspection. A time frame of two (2) – three (3) years on the south and west exposures and three (3) – four (4) years on the north and east exposures can be used as a general guideline. However, as weathering, exposure conditions, altitude, and applications can vary, maintenance may be needed sooner and should be performed when visually necessary, regardless of time frame. After the initial recoating, the time frame between recoatings will likely extend as additional applications of finish are absorbed into the wood.

UNFINISHED materials - **MORO and VEI (Kebony) & KOWHAI (Accoya)** - are uncoated and do not require recoating.

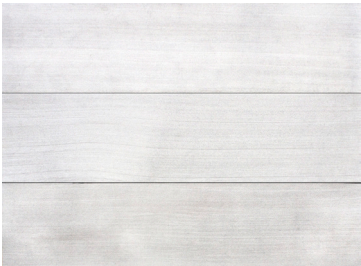
For CARE + MAINTENANCE, our non-charred EXTERIOR products can be divided by species with different expectations and maintenance:

1. ALASKAN YELLOW CEDAR (WILLIWAW)

Unfinished cedar tends to weather unevenly due to varying climate and weather conditions. reSAWN's weathered materials (WILLIWAW) are designed to combat an unappealing aesthetic by providing a weathered look at installation. A commonly used exterior material, alaskan yellow cedar contains natural characteristics that resist decay caused by rot, insects, and moisture. Ilo



WILLIWAW - ALASKAN YELLOW CEDAR - AS DELIVERED



WILLIWAW - ALASKAN YELLOW CEDAR - WEATHERED EXTERIOR INSTALL

2. ATLANTIC WHITE CEDAR - ROARING 40s, LEVANTERA, and BRIZA

Receiving the highest rating in durability and decay resistance from the U.S. Forest Products Laboratory, Atlantic white cedar is a frequently used exterior cladding material. Similar to western red cedar, unfinished Atlantic white cedar weathers to a silvery-grey color at a rate that depends on weather and climate conditions. reSAWN's finishing process creates an aesthetic that resembles a weathered look at installation with little change as it ages.



ROARING 40s - ATLANTIC WHITE CEDAR - AS DELIVERED



ROARING 40s - ATLANTIC WHITE CEDAR - WEATHERED EXTERIOR INSTALL



BRIZA - ATLANTIC WHITE CEDAR - AS DELIVERED



BRIZA - ATLANTIC WHITE CEDAR - WEATHERED EXTERIOR INSTALL

CARE + MAINTENANCE GUIDELINES (cont.)

3. KEBONY -MORO, VEI & TAKK Kebony is a natural wood product for outdoor applications and its appearance will therefore be influenced by local environmental conditions over time. Usually, color changes and checking, or small surface cracks, will occur due to natural weathering. While Kebony wood's aesthetic will change with time, its performance characteristics will not.



VEI - KEBONY
AS DELIVERED



VEI - KEBONY
WEATHERED EXTERIOR INSTALL



TAKK - KEBONY
AS DELIVERED



TAKK - KEBONY
WEATHERED EXTERIOR INSTALL

4. ACCOYA - KOWHAI and MONTE

Since Accoya has a very high resistance against rotting, a popular choice is to use it in various applications uncoated, and left to weather naturally to a silvery-gray color. This graying of the surface of unprotected wood exposed to outdoor circumstances is caused by UV. The rate of weathering will vary according to the amount of UV, elevation on a building, the surroundings, and the surface structure. Depending on aforementioned influences, Accoya will gray out at a similar rate as most other wood species. Partial shading of a surface will lead to uneven graying, MONTE is finished with a tinted top coat that can be re-applied as needed.



KOWHAI - ACCOYA
AS DELIVERED



KOWHAI - ACCOYA
WEATHERED EXTERIOR INSTALL



MONTE - ACCOYA
AS DELIVERED



MONTE - ACCOYA
WEATHERED EXTERIOR INSTALL

We cannot guarantee against wear or color changes to any products which result from weather, sun, wind and/or the natural aging process of the wood.

SUBMITTAL SAMPLES

For all orders, approximately 6 linear feet of samples will be sent for approval and (1) 12" piece will need to be signed and returned back to reSAWN TIMBER co.

TOUCH UP KITS:

Touch Up Kits are available for purchase through reSAWN. These are intended for fixing minor scratches incurred during or immediately post-install - **NOT MEANT FOR SEALING THE ENDS**. Please contact reSAWN for more information on available sizes and prices of touch up kits.

reSAWN's MOCK-UP PROGRAM

Understanding how natural materials perform in climate specific conditions is critical. As such, we highly recommend installing a field mock up. When possible, mock-ups should be installed long before materials are delivered to a project site so that the materials have time to acclimate to the climatic conditions of the region. This will help specifiers choose materials confidently knowing that the cladding material chosen suits the exact exterior conditions where the structure is being built:

- Observe some amount of weathering *
- Understand product appearance over a larger field of material
- Observe tolerance for wood movement in a project-specific climate
- Monitor effectiveness in rear ventilation & drainage through assembly details (i.e. rainscreen)
- Include all stakeholders in the project to set realistic expectations for how the wood will perform and weather

*Weathering is a surface phenomenon that typically only affects a maximum depth of 2mm of the surface area. In the absence of decay, wood exposed to the weather can last many years since the performance and durability of the materials are not affected. As such, weathering should not be regarded as a problem, but rather a natural process that needs to be taken into account when planning for the preservation and protection of outdoor wood.

We offer the following options for standard profiles in 4-6' lengths to allow for UPS GROUND shipping:

- 10sf - \$250 includes shipping UPS GROUND, we will credit back 100% of the cost of the materials on the final invoice when the full order is placed
- 20sf - \$500 includes shipping UPS GROUND, we will credit back 50% of the cost of materials on the final invoice when the full order is placed
- 40sf - \$750 includes shipping UPS GROUND, we will credit back 50% of the cost materials on the final invoice when the full order is placed
- For custom milling profiles, please add \$250
- Typical production time for mock up samples is 1-2 weeks

Please contact reSAWN TIMBER co. at 215 - 709 - 2001 or sales@resawntimberco.com to place a mock up samples order.

INSTALLATION GUIDELINES

PLEASE REFER TO ONE OF THE FOLLOWING INSTALLATION GUIDELINES FOR RECOMMENDED INSTALL METHODS:

INTERIOR WALL CLADDING

[INTERIOR WALL CLADDING](#) (available for download at resawntimberco.com)

EXTERIOR SIDING

[EXTERIOR SIDING](#) (available by contacting reSAWN at 215 709 2001 or info@resawntimberco.com)

GENERAL FASTENER RECOMMENDATIONS:

Please refer to reSAWN's Exterior Install Guidelines for a recommendation on all fasteners and installation methods.

WOOD MOVEMENT

Wood is naturally hygroscopic meaning it responds to changes in temperature/humidity by growing/shrinking across all three dimensions. Any exterior wood siding will naturally move in response to its environment. This movement may result in cupping, bowing, twisting and/or checking of the wood planks. **We cannot guarantee against cupping, bowing, twisting, checking, etc.**

With the exception of Accoya® and Kebony® wood products, these materials are sold without warranty, either expressed or implied. Please contact reSAWN TIMBER co. for more information on Accoya® wood's 50-yr above ground, and 25-yr at/below ground warranty and Kebony® wood's 30-yr above ground warranty. Warranty is on the wood only - not the finish.

By signing below, I acknowledge that I have read and accept reSAWN TIMBER co.'s EXTERIOR usage guide and installation guidelines:

Print Name: _____

Signature: _____

Date: _____