

All of our **CHARRED** products are **MADE in the USA**, at our facility in Telford, PA. We use domestic wood species whenever possible, including Cypress, Western Red Cedar, Atlantic White Cedar, White Oak, Black Walnut, Red Oak & Ash as well as reclaimed woods from the US. Our extensive offering includes modified, high performance woods, Kebony and Accoya, for exterior applications. 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 this unique material is understood and expectations are set prior to ordering. It is critical that every architect, designer, installer and end-users reads and understands this document and the applicable install guide (found at the bottom of page 3) BEFORE materials are ordered.

APPLICATIONS:

- HAI, MOYASU, YOKO, MIYAGI, and DIABLO are suitable for INTERIOR applications - walls, ceilings, millwork (not suitable for flooring) - call for more information on using these products for EXTERIOR applications.
- All other Cypress, Cedar and Accoya designs are suitable for EXTERIOR and INTERIOR applications including walls, ceilings, millwork (not suitable for flooring).
- MARKA, RUSS, and KOWHAI are able to be used as DECKING, EXTERIOR CLADDING, and INTERIOR CLADDING
- KINOKO, KURUMI & NETSU are intended for INTERIOR application only - walls, ceilings, millwork (not suitable for flooring).
- CHARRED FLOORING designs are intended for INTERIOR applications only - walls, ceilings, millwork & flooring

STANDARD DIMENSIONS & MILLING:

SOLID CYPRESS: 13/16" thick X 5-1/8" wide X 6'-16' random lengths, T&G or Standard Shiplap milling

Dimensions noted are for Tongue & Groove or Standard Ship Lap. For S4S face width is 5-1/2" - custom shiplap with reveal available upon request

SOLID WESTERN RED CEDAR: 3/4" thick X 5" wide X 6'-16' random lengths, T&G or Standard Shiplap milling

Dimensions noted are for Tongue & Groove or Standard Ship Lap. For S4S face width is 5-1/2" - custom shiplap with reveal available upon request

SOLID ATLANTIC WHITE CEDAR: 3/4" thick X 5-1/8" wide X 6'-16' random lengths, T&G or Standard Shiplap milling

Dimensions noted are for Tongue & Groove or Standard Ship Lap. For S4S face width is 5-1/2" - custom shiplap with reveal available upon request

SOLID ACCOYA WOOD: 3/4" thick X 5-3/8" wide X 8'-16' random lengths, price includes T&G or Standard Shiplap milling *

Dimensions noted are for Tongue & Groove or Standard Ship Lap. For S4S face width is 5-3/4" - custom shiplap with reveal available upon request

SOLID KEBONY WOOD: 7/8" thick X 5-7/8" wide X 8'-16' random lengths, S4S milling

CHARRED FLOORING: 3/4" thick X 6" wide X 2'-10' random lengths, T&G, Endmatched, Microbeveled Edges & Ends

NETSU & KURUMI: 3/4" thick X 5" wide X 2'-10' random lengths, T&G, Endmatched, Microbeveled Edges & Ends *

SOLID RECLAIMED HEMLOCK: +/- 7/8" thick X 7" wide X 6'-12' random lengths S4S *

SEALING:

INTERIOR products are sealed on FACE ONLY

EXTERIOR applications require sealing on the FACE & BACK (there is an additional \$1/sf fee for the sealing on the back)

DECKING (MARKA, RUSS, and KOWHAI only) unfinished

Min. Order Qty = 100 sf

* Custom widths and lengths available - call for details and pricing.

MATERIAL CONSIDERATIONS

VARIATIONS:

The wood is burnt 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, pattern and thickness of these materials. Each plank takes the burning 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, character, and profile will vary between individual boards on a project and will never be an exact match to samples/photos.

JOINERY:

Prior to installation, individual boards will need to be checked for the integrity of the joinery. The variation in the level of burning may affect the tongue and groove and may require additional attention during installation. This is not a defect, but a natural part of the charring process.

CHECKS/SPLITS:

The charring process may cause the face and/or ends of some boards to check/split. This is not a defect, but a natural part of the charring process. These checks/splits can be cut off and the rest of the board can be used.

RESILIENCY + IMPACT RESISTANCE:

When evaluating resiliency with CHARRED materials it is a trade off – the heavier the char the more weather/rot resistant as intended by burning the wood; however, charcoal is soft, especially on a soft wood. From an impact perspective, brushed designs (such as KOI, KUJAKU, HAYWARD etc.) will be more impact resistant than MOYASU or HAI as the char is only on part of the wood. HAI and MOYASU are fully charred and best suited for interior applications. HAI is the least impact resistant of the CHARRED materials due the deep charring (approx 1/8"). We do not recommend HAI or MOYASU if your desire is to have the original CHARRED face remain indefinitely. The charcoal layer is a soft, sacrificial wear layer and will flake & wear off over time, changing the aesthetic and revealing non-burnt cypress. Rather, we suggest KURO, KOI, PACKARD, DUNCAN or MONOGATARI, alternative black designs that can be maintained/refreshed to be brought back to black. . MATSU on Accoya or SUPERKÜL on Kebony are fully charred designs that are more durable and should be considered.

CYPRESS GRADES + PERFORMANCE:

All of our CHARRED cypress designs are sampled on SELECT grade Cypress. GRADE applied 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. As such, we only recommend Select/Better Cypress for exterior applications.

SELECTS & BETTER: *

The Selects & Better 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. Graded from better face with reverse side not below No. 1 Common.

Sapwood no defect.

Pieces 6" and wider admit:

- Split equal to the width of board in the aggregate.
- Light stain

Defects Allowed: Pieces

- 6" wide – 1 medium knot
- 7" – 9" wide - 2 medium knots
- 10" and wider – 3 medium knots allowing one additional knot for every 3" in width.

Note: Medium knot is from 3/4" – 1 1/2" average diameter and No. 2 Common must be sound except in 10" and wider lumber, one unsound medium knot permitted.

Defects which can be substituted for 1 medium knot:

- 3 Pin Knots – pin knot is 1/2" average diameter or less.
- 2 Small Knots – small knot is 1/2" - 3/4" A.D.
- 3 Medium Surface Checks – 1 medium surface check is 4"- 10" Long and 1/32" Wide
- 1 Slight Manufacturing Defect as defined in Par. 50, 51, 54, 59, 61, 62.
- Fine Shake (Par. 64) equal to the width of the board.
- 10" and wider pieces allow 2 pin worm holes for each lineal foot.

NO. 2 COMMON *

The commons are a staple grade useful for all types of general construction, finish, trim, pattern stock, and other uses where ordinary tree characteristics either enhance the appearance of the piece or do not restrict the appropriate application of the piece.

Admits any number of the following or equivalent: checks, slight peck, pin worm holes.

Medium manufacturing defects as defined in paragraphs 50, 51, 55, 60, 61 and 62.

Admits: unlimited diameter sound or (unsound knots), pith knots, slight peck, shake and checks.

Defect graded from standpoint of strength.

Must be suitable for ordinary fencing or dimension purposes in its full width and length.

Split equal to the length of piece in inches.

Pith is admitted.

No open holes are permitted.

Any unsound knot must not impair the strength of the piece.

* REFERENCE: NIHLA 'Rules for the Measurement and Inspection of Hardwood and Cypress' vol. 1.1 effective January 1, 2011

ACCOYA GRADE + PERFORMANCE:

All of our CHARRED Accoya® designs are on SELECT grade Accoya® wood. GRADE applied 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.

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.

KEBONY - GRADE + PERFORMANCE

KEBONY CHARACTER - Produced from FSC certified Pinus Sylvestris and contain knots and untreated heartwoods. Kebony Character products can be cross-cut to length. Exposed end-grain after cross-cutting must be treated with a wood preservative.

ADDITIONAL OFFERINGS and GRADE + CUT specifications:

KURUMI is offered in SELECT grade or CHARACTER grade north american black walnut.

NETSU is select grade rift & quarter sawn red oak. It is the grade and cut of this wood that gives this product its distinctive look.

KINOKO is a shou sugi ban product on reclaimed hemlock. We are pleased to be able to make shou sugi ban on a reclaimed wood species. Expect a good deal of character including large knots and checks.

We recommend ordering 10, 20 or 40 sf of MOCK UP sample material prior to full order for both viewing appearance/grade and for installers to become accustomed to working with these materials - contact reSAWN TIMBER co. for more information on the MOCK UP PROGRAM. For all orders, approximately 8 LF of samples will be sent for approval and (1) 12" piece will need to be signed and returned back to reSAWN TIMBER co. We recommend ordering a waste factor of 15% with all CHARRED materials.

INSTALLATION GUIDELINES

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

INTERIOR

CHARRED INTERIOR CLADDING

EXTERIOR

CYPRESS & CEDAR INSTALLATION

ACCOYA & KEBONY INSTALLATION

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.

For CARE + MAINTENANCE, our exterior products can be divided into 3 categories with different expectations and maintenance:

1. FULLY CHARRED - this includes HAI (cypress), MOYASU (cypress), MATSU (Accoya), and SUPERKÜL (Kebony)

These materials are fully charred and then finished without brushing off the soft charcoal layer. This charcoal layer is a sacrificial wear layer that will flake over time to reveal blackened cypress underneath with variations in color from grey to brown tones and over time more grey tones (see example below). A reapplication of the top coat will aid in arresting the degradation of the charcoal.



HAI - CYPRESS
AS DELIVERED



HAI - CYPRESS
WEATHERED EXTERIOR INSTALL

2. BRUSHED designs - examples include KUJAKU, HAYWARD, AKA, etc.

These designs have been brushed to remove some of the charring, revealing the wood grain and then sealed. The residual charcoal on the charred grain can be expected to fade over time. Because of this, the original aesthetic should not be expected to be maintained. A top coat will need to be re-applied following the above guidelines - this can either be the original color or a clear finish depending on your desired look - a small inconspicuous area should be tested prior to recoating. The exposed wood grain will fade naturally to grey. This is not a defect, but a natural process of wood.



KUJAKU - CYPRESS
AS DELIVERED



KUJAKU - CYPRESS
WEATHERED EXTERIOR INSTALL

3. BRUSHED CHARRED BLACK designs - examples KOI, MONOGATARI, DUNCAN, PACKARD and KURO

These products include exposed wood which has been prefinished with a black exterior top coat. Despite this top coat, the exposed wood will naturally patina over time. The black top coat can be reapplied to refresh the black appearance. A top coat will need to be re-applied following the above guidelines - this can either be the original color or a clear finish - a small inconspicuous area should be tested prior to recoating. The exposed wood grain will fade naturally to grey.



MONOGATARI - CYPRESS
AS DELIVERED



MONOGATARI - CYPRESS
WEATHERED EXTERIOR INSTALL (NO TOP COAT REAPPLIED)

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.

IMAGE DISCLAIMER: Aged shou sugi ban cladding - meant to be representative only. Actual wear will depend on weather, altitude and facing.

GENERAL FASTENER RECOMMENDATIONS:

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

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.

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).