

Project: Brooklyn Townhouse
Location: New York, NY
Installer: loadingdock5 architects

Product: **HAI** from the **CHARRED** Collection

Located in Greenpoint, Brooklyn, this modern lake house is clad in reSAWN's HAI charred exterior siding. This project features select grade cypress siding that has been burnt in the Japanese tradition of shou-sugi-ban and sealed on all 4 sides for added protection against the elements. this ancient technique is gaining new life as a unique and modern interior and exterior wall cladding. the wood is carefully burnt, doused in water, cooled, brushed to remove dust and loose debris, and then stained/sealed to create the unique designs you will find in the CHARRED collection. Materials were specified by loadingdock5, an architectural studio located in Williamsburg, Brooklyn that strives for quality design, innovation, and sustainable design solutions.



Photo credit: © reSAWN TIMBER co. 2014



PRODUCT SPECIFIC DATA:



HAI - CYPRESS
SOLID - SKU #CH-750201

CYPRESS

Grade: Select *

Janka Hardness: 510

Class Rating**: C (ASTM E 84)

Flame Spread Index**: 145-150 (ASTM E 84)

Exterior Siding or Interior Wall Applications

** #2 common grade available upon request*

Photo Disclaimer: Project and product photos are meant to be a general guide to product appearance only. Due to our handcrafted process and wood being a product of nature, the color, grain pattern, character and profile will vary between individual boards on a project and will never be an exact match.

Janka Rating from similarly tested products - expected to be close to actual measurements of reSAWN TIMBER co.'s products.

Data from Forest Products Laboratory (FPL) General Technical Report (GTR) 190 - expected to be close to actual measurements of reSAWN TIMBER co.'s products.

STANDARD MILLWORK:

Tongue & Groove, Shiplap or S4S, Endmatched

STANDARD DIMENSIONS:

	Cypress	Red Oak	Reclaimed Hemlock
Thickness:	13/16" - 7/8"	3/4"	13/16" - 7/8"
Width:	5-1/2"	5"	6"
Random Lengths:	8'-16'	2'-10'	4-10'

SOLID ONLY. Note: Additional widths and lengths available upon request.

FINISH SPECS: Burned, Brushed and finished with Translucent Sealer

FLASH POINT 115 °F (46 °C)
 Burning wood gives it a charcoal barrier that is rot and fire resistant.

INSTALLATION GUIDE:

Refer to Southern Cypress Manufacturer's Association Guidelines - http://www.cypressinfo.org/blog/wp-content/uploads/2012/07/Cypress_Siding_Installation.pdf

STRENGTH and MECHANICAL PROPERTIES:***

	BALDCYPRESS		LONGLEAF PINE	
	Green	12%	Green	12%
MOISTURE CONTENT	Green	12%	Green	12%
SPECIFIC GRAVITY	0.42	0.46	0.54	0.59
MODULUS OF RUPTURE (lbf/in ²)	6,600	10,600	8,500	14,500
MODULUS OF ELASTICITY (10 ⁶ lbf/in ²)	1.18	1.44	1.59	1.98
WORK TO MAXIMUM LOAD (in-lbf/in ³)	6.6	8.2	8.9	11.8
IMPACT BENDING TO GRAIN (in.)	25	24	35	34
COMPRESSION PARALLEL TO GRAIN (lbf/in ²)	3,580	6,360	4,320	8,470
COMPRESSION PERPENDICULAR TO GRAIN (lbf/in ²)	400	730	480	960
SHEAR PARALLEL TO GRAIN (lbf/in ²)	810	1,000	1,040	1,510
TENSION PERPENDICULAR TO GRAIN (lbf/in ²)	300	270	330	470
SIDE HARDNESS (lbf)	390	510	590	870

*** Source: FPL-GTR-190