

Characteristics of *Yakisugi*

Nakamoto Forestry



NAKAMOTO FORESTRY

SINCE 1959

BEAUTY ROOTED IN SOMETHING DEEPER


**We are the industry leader for
Yakisugi “shou sugi ban”
heat-treated siding from Japan**





**Now available in the
West**



A close-up photograph of a stack of dark, charred wood planks. The planks are stacked horizontally, and the image shows the edges and surfaces of many layers. The wood has a wavy, textured appearance, likely due to the heat treatment process mentioned in the text. The lighting is dramatic, highlighting the grain and the charred texture of the wood.

Traditional millwork parameters are followed and then the wood is burned in a controlled process. The heat treatment reduces the wood's propensity to rot, makes the planks more dimensionally stable, and improves fire resistance.

The process dictates our siding product lines



SUGI

SUGI

SUGI IS JAPANESE CYPRESS



SUYAKI

SUYAKI

STAGE 1: BURNED



GENDAI

GENDAI

STAGE 2: BRUSHED ONCE



PIKA PIKA

PIKA PIKA

STAGE 3: BRUSHED TWICE

Cryptomeria Japonica is *Sugi* in Japanese and is a monotypic genus in the Cypress family indigenous to Japan. It is often called Japanese Cedar and is utilized primarily for construction lumber due to high rigidity and quick drying. We specialize in the *Hachiko* variety used specifically for siding in Western Japan. Our *Sugi* is milled and graded for maximum durability in exterior applications and to showcase the inherently beautiful grain.

Suyaki is the most traditional and easily recognizable of our *yakisugi* "shou sugi ban" products. Due to the thick, hydrophobic, UV-inhibiting soot layer, *Suyaki* has the best wood and color longevity as well as incredible fire resistance. We apply oil pre-finishes to solidify the soot layer, making installation easier, minimizing blemishes, and preventing soot from coming off when touched.

Gendai is the most commonly specified *yakisugi* "shou sugi ban" surface for exterior applications. A light brushing process knocks down the heavy soot layer and leaves a smooth, silky appearance. The burnt fiber crevasses make subtle shadows. *Gendai* can either be installed with or without an oil pre-finish.

Pika-Pika is made by passing the *yakisugi* "shou sugi ban" planks through a second wire brushing process that removes all loose soot from the softer spring growth rings and leaves the last wood as contrasting burnt ridges. It is a topographic textured surface that follows the wood grain, and we hand-grade after surfacing to achieve a consistent blend of heartwood and sapwood.



Yakisugi is our Heritage



土曜・日曜・休日
10-17
この先 40m







右の山手井戸村
九



Today, *yakisugi* is also used in modern design.

























Wood is the sustainable choice

3000000

Years ago that atmospheric carbon was at the current level

95

Percent likelihood that global warming since 1950 is primarily caused by human activity

170

Metric tons of carbon capture per hectare of *Cryptomeria japonica* at current 80-year average harvest age

2

Kilograms of carbon captured per kilogram of lumber produced

1

Solid wood siding ranking against other standard cladding materials for sustainability in terms of Life Cycle Assessment and carbon capture

15

Times the insulation value wood cladding has over cement board

0

Amount of maintenance required over oursiding's lifespan

100

Years lifespan our products will average if no maintenance is done



**Ethical timberland management.
Highest-grade traditional millwork.
Durable, beautiful, healthy products.**







A close-up photograph of a person's hand using a brush to apply a dark, possibly black, finish to a wooden surface. The brush has a wooden handle and dense, dark bristles. The wood is light-colored and shows some grain and knots. The background is dark and out of focus.

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