

NAKAMOTO FORESTRY

Suyaki – “Pure Char”

Original charred surface without brushing

Exterior—delicate surface with maximum longevity

Interior—high-traffic surface that retains the black-silver matte color



Species

Cryptomeria japonica, a native Japanese Cypress species known for rot resistance and dimensional stability. Cryptomeria is the “sugi” in yakisugi and “shou-sugi-ban”, also called Japanese Cypress or Japanese Cedar in the West.

Fire Resistance

Exterior and interior flame retardant treatment available to comply with ASTM E84 Flame Spread and Smoke Development indices and class ratings.

Hardness

320 – 510

Heartwood

Unlimited combination of heartwood and sapwood, pith allowed.

Grain

Outside of log faces outside of plank profile to ensure weather resistance, always with flat grain center and angled grain to edges. Planks are graded for consistent grain density and pattern, with irregular grain patterns or boards being deselected.

Dimensional Stability

Culling of warped, crowned, crooked, or cupped boards is carried out during resaw, air drying, sun drying, moulding, charring, packing, and finishing operations. Since growth rings are always aligned towards the outside of the plank profile, minor cupping (concave approximately 1/16”) is common and acceptable. Cupping is not noticeable after installation, and samples will cup more than shipped product.

Color

Black with silver to rainbow effervescence on the unfinished or oiled charred surface depending on light and angle. Polymer-bonded surface will lose the effervescence but retain the silvery black color.

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Knots

Unlimited sound, tight knots permitted.

Texture

Small to large crevasse pattern variable according to grain pattern, production environment, board density, moisture content, etc., and range from ¼"~1.5" wide squares. Char is approximately 1/16" thick. The charred surface has an easily damaged shell without prefinishing.

Checks

Checks allowed to 1/16" as long as plank stability, weather-resistance, and cosmetics are not adversely affected.

Moisture Content

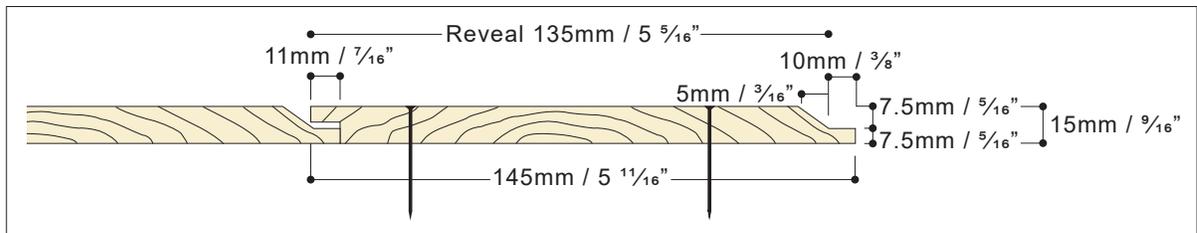
Air and sun dried, then flash kiln dried to 11~14% MC. MC may fluctuate according to conditions during transport or warehousing.

Dimensions

Nominal 1x6 lapped siding profile is standard. See profile diagram below

STANDARD LAPPED YAKISUGI CROSS-SECTION

- 150mm (6 inches) nominal width



※ Dimensional shrinkage after manufacture is possible due to being a solid-sawn wood product.

Finish

There are two finish options:

- For exteriors a penetrating oil finish with flexible hardening oil component will bond loose soot into the surface and preserve natural effervescence. After drying minimal soot will wipe off when touched, though surface remains soft. This topcoat has maximum longevity but is not recommended for high-traffic areas.
- For interiors a high-traffic surface-hardening polymer finish will bond loose soot into the surface and stabilize the charring for a more robust finish. Color is a consistent satin black with silver highlights.
- Unfinished charred Suyaki is soft and sooty when touched, and damages easily. Due to surface abrasion during trucking to site, and unfinished Suyaki simply being such a foreign product in the West, we prefer not to deliver without prefinishing.

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