

NAKAMOTO FORESTRY

Gendai – “Modern”

Once-brushed smooth, consistent, and dark surface
Most commonly specified yakisugi, suitable for interior and exterior



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

Dark brown with slightly darker crevasse shadows, stainable to a broad palette.

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Knots

Select grade allows for unlimited knots, with knot holes up to 1.5" filled with a proprietary UV-stabilized hot melt resin.

Texture

Silky smooth, brushed, undulating surface, with approximately 1/32" char remaining.

Checks

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

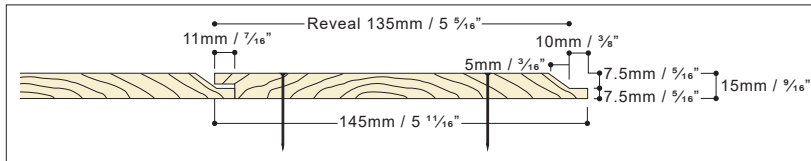
Moisture Content

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

Dimensions

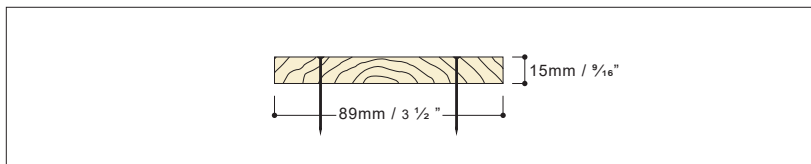
STANDARD LAPPED YAKISUGI CROSS-SECTION

- 150mm (6 inches) nominal width
- 3700mm (145 1/4 inches) actual lengths



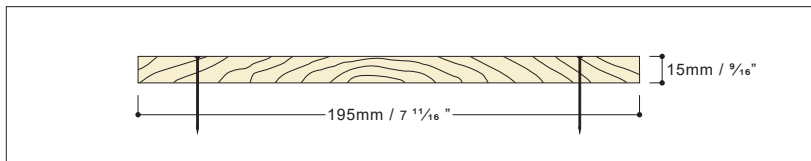
STANDARD YAKISUGI TRIM CROSS-SECTION

- 89mm (3 1/2 inches) actual width
- 3700mm (145 1/4 inches) actual lengths



STANDARD YAKISUGI BOARD CROSS-SECTION

- 195mm (7 1/4 inches) actual width
- 3700mm (145 1/4 inches) actual lengths



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

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Finish

There are several finish options and many colors available. We use only breathable non-film-forming finishes derived from vegetable oil bases. The wood does not need to be oiled for good longevity since it is heat-treated, but prefinish and periodic reapplication will improve wood and color longevity same as any wood product.

- Penetrating transparent and semi-transparent oil finishes will bond loose soot into the surface and show depth of grain. Soot will not wipe off when touched and surface is solid. Semi-transparent finishes offer a larger pigment selection than transparent. Color will weather gradually.
- Hybrid finishes are a combination of light and drying oils, have a polymerized oil (alkyd urethane) component, and sometimes a wax component in the formulation. The light oil will penetrate and show depth of grain while the reactive heavy oil will remain on the surface to protect from UV and show more pigment. Pigment load is high as an effective UV inhibitor and silicone doping sheds water while allowing the wood to breathe. The color will stay consistent until the surface residue erodes off over time, then the color will begin to weather gradually.
- Unfinished Gendai will change color relatively quickly. Surface is sooty at first but will not shed much soot after washing or a first heavy rain. The light soot layer will erode slowly and the color will weather organically.

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