



# Suyaki

## SPECIFICATIONS



**NAKAMOTO  
FORESTRY**  
EUROPE

### Suyaki "Pure Char"

heavily charred with magnificent charcoal black color – no brushing

**Exterior:** Delicate surface with maximum longevity | **Interior:** Eye-catching surface with distinct texture

#### Species

Cryptomeria japonica, an endemic Japanese Cypress species (commonly also known as „Japanese cedar“) is extremely fragrant, weather and insect resistant, soft, with a low density, and high dimensional stability. It is the national tree of Japan, it is called „Sugi“ in Japanese and stands for the “sugi” in Yakisugi and “Shou Sugi Ban”.

#### Fire Resistance

Yakisugi naturally due to its charred layer shows higher resistance to fire compared to untreated timber. Additionally, exterior and interior fire retardant treatment is available for code compliance. Currently surface treatment with B1 class performance (according to EN 13501-1) in testing phase.

#### 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 deselected.

#### Dimensional Stability

Culling of warped, crowned, crooked, or cupped boards is carried out during milling, 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 is common and acceptable. Cupping is not noticeable after installation, and samples will cup more than shipped product.

#### Color

Black with silver opalescence on the unfinished, or oiled, burned surface depending on light and angle. Polyurethane-bonded surface for interior applications will lose the iridescence and be an even black color.

#### Knots

Unlimited sound, tight knots permitted.

## **Texture**

Small to large crevasse pattern variable according to grain pattern, production environment, board density, moisture content, etc. The soot layer is approximately 2 mm thick. The charred surface has an easily damaged shell unless prefinished.

## **Checks**

Checks allowed to ca. 2 mm as long as plank stability, weather-resistance, and cosmetics are not adversely affected.

## **Moisture Content**

Air and sundried, then flash kiln dried to 11~14% moisture content (MC). MC may fluctuate according to conditions during transport or warehousing. Therefore local acclimatization is recommended before installation.

## **Finish**

There are two oil prefinish formulation options:

- For exteriors a penetrating oil finish with flexible hardening oil component will bond loose soot into the surface enough to ship and install. After drying minimal soot will wipe off when touched, though surface remains soft. This prefinished surface has maximum wood 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 soot layer for a more robust, washable finish. Color is a consistent satin black.
- 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 do not ship without prefinish.

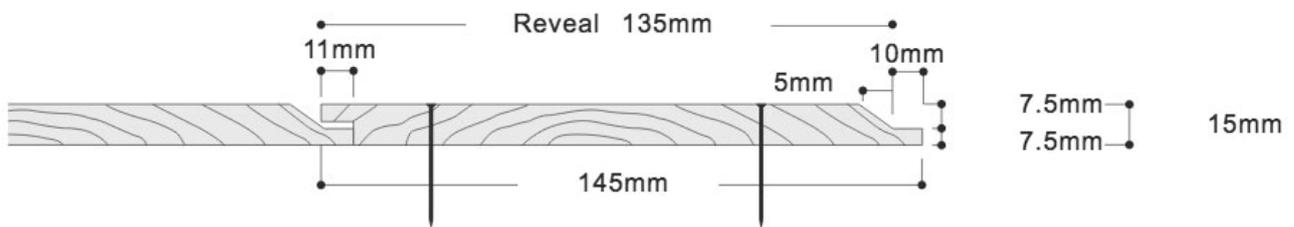


Suyaki

DIMENSIONS

## STANDARD SUYAKI SHIPLAP DIMENSIONS

145 mm nominal width, max. 3970 mm actual lengths



## STANDARD SUYAKI SQUARE EDGE DIMENSIONS

145 mm actual width, max. 3970 mm actual lengths



## STANDARD SUYAKI SQUARE EDGE DIMENSIONS

195 mm actual width, max. 3970 mm actual lengths

