



# Gendai

---

## SPECIFICATIONS

---

### **Gendai: “Modern” dark, with a smooth, silky look**

Once-brushed: smooth, consistent, and dark surface

Most commonly specified yakisugi, suitable for interior and exterior

### **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**

Dark brown with slightly darker crevasse shadows, and smooth, silky look, stainable to a broad palette.

## **Knots**

Premium select clear grade allows for up to 4 knots (max 10 mm tight or 5 mm loose) for planks over 2,000 mm length, but in practice knots are rare with the premium grade. Select grade allows for unlimited knots, including some loose knots due to species characteristics (cypress does not produce high yield of tight-knot grade like red cedar due to high tannin content and unavailability of old growth logs in volume).

## **Texture**

Silky smooth, brushed, undulating surface, with approximately 1 mm soot layer.

## **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:

- Penetrating transparent and semi-transparent oil finishes will bond loose soot into the surface and show depth of grain. Soot will not come off when touched and surface is solid. Semi-transparent finishes offer a larger pigment selection than transparent. Color will patina gradually.
- Hybrid finishes are a combination of light and drying oils, and can have a water-based acrylate / PU dispersion. The light oil will penetrate and show depth of grain while the reactive drying 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 patina gradually.
- Unfinished Gendai will change color not much different to untreated timber. 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.

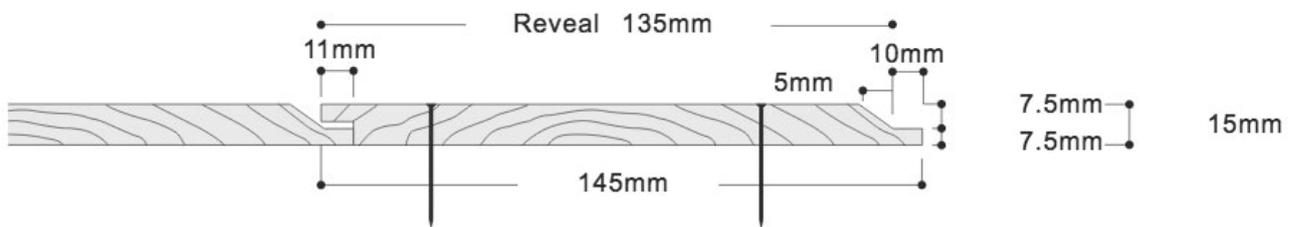


Gendai

DIMENSIONS

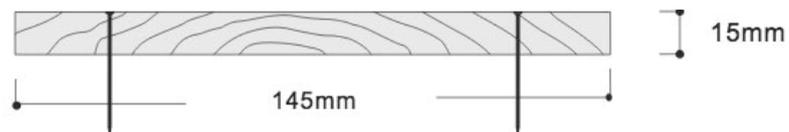
## STANDARD GENDAI SHIPLAP DIMENSIONS

145 mm actual width, max. 3970 mm actual lengths



## STANDARD GENDAI SQUARE EDGE DIMENSIONS

145 mm actual width (on request also available in 89 mm actual width), max. 3970 mm actual lengths



## STANDARD GENDAI SQUARE EDGE DIMENSIONS

195 mm actual width, max. 3970 mm actual lengths

