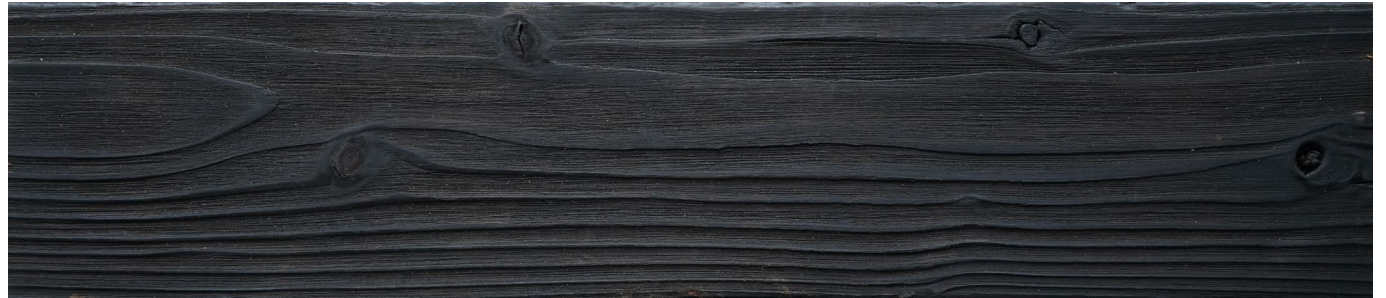


Yakisugi, also known as Sugi (Cryptomeria Japonica), is a traditional Japanese wood preservation technique. It involves charring the surface of cedar (sugi) wood to create a protective layer against weather, fire, insects, and decay.

This technique originated in Japan when there was no means of chemical wood protection and has gained popularity in contemporary architecture and design due to its unique aesthetic and sustainable qualities.



## / BENEFITS /

### DURABILITY

Yakisugi enhances the wood's durability by creating a layer of char that protects it from weathering, fire, insects and decay. This preservation technique extends the lifespan of the wood significantly.

### STABILITY

Yakisugi wood has good dimensional stability, making it less prone to warping, shrinking, or swelling when exposed to changes in humidity or temperature compared to untreated wood. The charring process helps to seal the wood fibres, reducing moisture absorption and minimising dimensional changes.

### AESTHETICS

The charred surface of Yakisugi wood creates a unique and striking appearance. It adds depth, texture, and character making it a popular choice for architects and designers. Due to the natural aging process, Yakisugi's visual appeal continues to improve over time.

### MAINTENANCE

The most practical feature of Yakisugi is that it requires minimal maintenance. Although best practice is to oil/stain prior and post installation, we estimate charred timber to only require oil every 5 to 7 years.

### ENVIRONMENTAL

Yakisugi has world-class planting and management systems in place with GOHO certification. The charring process is chemical-free and relies on a traditional technique, making it an environmentally friendly option for wood preservation.

## / TECHNICAL INFORMATION /

|                           |                                       |
|---------------------------|---------------------------------------|
| ORIGIN                    | Japan                                 |
| DURABILITY CLASS          | Class 2 above ground                  |
| DENSITY                   | 320-384 kg @ 12% M.C <sup>*</sup>     |
| RADIAL SHRINKAGE          | 1.3% (green to 12% M.C <sup>*</sup> ) |
| TANGENTIAL SHRINKAGE      | 3.5% (green to 12% M.C <sup>*</sup> ) |
| KILN DRIED                | Kiln-dried to 12-16% M.C <sup>*</sup> |
| FIRE-RETARDANT PROPERTIES | Not applicable                        |
| CHAIN OF CUSTODY          | GOHO certified                        |

## / USES /

Yakisugi is suitable for the following applications:

- external and internal cladding
- outdoor fencing

<sup>\*</sup>M.C = Moisture Content.

Yakisugi

