

## Product information | Marugame

**Distinct, hard, durable,  
versatile, environmentally  
friendly, maintenance-free**

### Product description

The carbon layer of Marugame has a distinctive, regular pattern and the silvery sheen of the layer gives Marugame a different look depending on the angle of the sunlight. The tough carbon layer makes Marugame ideal as a durable finish for a façade or roof. Marugame is also very well suited for use in any interior.

Marugame is a natural product. This means that individual planks may differ from one another.



Marugame



Marugame fixated

### Type of wood

Marugame is produced by Accoya and made from Radiata Pine, which is a fast-growing pine species. The wood is modified using a (non-toxic) acetylation process. The sustainability of Accoya® wood is Class 1 and it has extensive quality certificates (including KOMO, RAL, BBA and WDMA) as well as a cradle-to-cradle gold certification. The wood has a lifespan of at least 50 years above ground and 25 years in direct contact with soil and in fresh water.

### Fixation

In addition to the carbon-only version, we can also supply Marugame that has undergone fixation with Bito White, which is a colourless and water-based resin. This fixation will tone down the outer surface, make it slightly tougher and prevent the carbon from staining. This makes the fixated Marugame product extremely suitable for interior applications.

Note: Untreated Marugame (i.e. with only a pure carbon layer) will initially stain slightly, but this is reduced with every rain shower.

### Dimensions

We supply Marugame planks in the following sizes as standard:

Thickness: 23mm and 10mm  
Width: 100mm, 150mm and 200mm  
Length: 2400mm, 3000mm, 3600mm, 4200mm and 4800mm

Custom sizes are also available at an additional charge. The standard delivery time is 6-8 weeks, but do enquire about the available options!

### Fire class

Marugame has a standard fire class of D - s2,d0 (European standard - EN13501).

### Technical specifications

- Application: interior, exterior and roof applications
- Wood type: Pinus Radiata
- Origin of wood: New Zealand
- Surface texture: as per sample
- Profile: Our products have a squared profile as standard. Alternative profiles available on consultation.
- Mounting method: Stainless steel screws with a black head (23 mm). For the 10 mm version, a waterproof, high-build wood adhesive can also be used. Subject to consultation, clips can be used for invisible mounting.

## Aging

In general, wooden facades and roofs are usually heavily impacted by the elements. UV radiation, rain and hail all contribute to the weathering of a surface. The lifespan of wood and the surface is significantly increased with the use of roof overhangs, roof edge profiles and windowsills.

Marugame weathers very slowly if not at all. However, it is possible that some small pieces of carbon may come loose after a few years, or following severe showers or a hailstorm. This has no effect on either the wood or the rest of the carbon layer. In the absence of cover strips, the carbon layer will crumble more easily at the top.

On the right you can see how Marugame may weather. Small pieces of the carbon layer can come off, for instance. You will then notice slight damage in the carbon layer. As soon as the wood becomes visible under the carbon layer, it will start to turn grey. This greying has no technical consequences.



Aging Marugame

## Maintenance

In general, Marugame does not require any maintenance. However, Marugame may show a green deposit on façades in the shade. Any deposits and/or dirt can be carefully removed with cleaning vinegar and lukewarm water. Use a kitchen towel or a soft brush and/or a plant sprayer or, for large surfaces, a backpack sprayer. Do not use a high-pressure sprayer as it could irreparably damage the carbon surface. Do not use an abrasive sponge and do not rub. It is normal for small patches of weathering to appear in the wood over the years. Do not try to char the wood yourself! We also do not recommend painting damaged areas black. This does not produce a nice result. The appearance of the paint is different from the silvery sheen of the carbon layer. In the case of extensive damage, we recommend replace the entire plank.

**The silvery sheen of the layer gives Marugame a different look depending on the angle of the sunlight.**

## Applications

