

# Gripsure French Oak

## TECHNICAL SPECIFICATION



Oak decking is the ideal alternative choice to tropical hardwood materials. Although oak is not as hard or durable as species such as Opepe or Balau, it is well suited for use as decking where it will be elevated off the ground.

The air-dried non-slip oak decking supplied by Gripsure is manufactured in-house from boards sourced from sustainable French forests.

Produced to comply with the harmonised standard for construction products regulation BSEN14915:2013



Trade name	Air dried oak
Base timber	French oak
Species	Quercus robur
Process	None
Origin	FSC forests in France
Intended use	External decking
Other uses	External cladding, joinery and furniture
Appearance	New oak is often described as straw coloured. As the boards weather the colour will change to a silver-grey patina. The boards will contain small knots up to a maximum size of 50mm. Air dried oak may develop small surface checks (cracks) in warm weather. These do not affect the strength of the timber.
Weathering	Oak will weather to a silver-grey patina although oak decking can respond badly to certain environments causing the wood to blacken.
Lengths	Random. 1.8m to 30.m plus
Moisture content	Approx 16 - 20%

Natural durability (EN35)	Durable Class 2
Insect attack	Resistant
Desired service life (BS8417)	Frequently wet. 25 years (this is reliant on good design and installation)
Treatability class	Resistant
Movement class	Medium. Expect variation of 5mm on a 145mm board through the year
Mean density	670 - 760 kg/m <sup>3</sup>
Resistance to impact*	Medium to high
Resistance to fixing	High. Pre-drilling necessary
When to fix	Ideally Autumn and Winter months. Avoid hottest months
Grading	BS1186-3 1990 Class 3. EN942:2007. J30. Regular small and occasional medium sound knots
Working properties	Average workability. Takes fixings satisfactorily

Contact us for more information

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Extractives	Oak contains tannic acid, which will corrode ferrous metals. When the two come into contact, a blue sludge is formed that will stain the oak and anything else it meets. All fixings used in conjunction with oak should be stainless steel. Tannic acid could also leave unsightly brown stains on the surface of the decking and will stain any porous materials below the decking. The reactivity of tannin makes oak cladding unsuitable for polluted areas and shaded areas.
Reaction to fire (EN14915)	Euroclass F (untested). D-s2, d0
Fire treatment	Impregnation possible
CE compliant	Yes

## Profiles

Thickness	Overall width	Profiles available
21mm	145mm	Smooth/grooved
28mm	145mm	Smooth/grooved



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