



# Jointed oak cladding



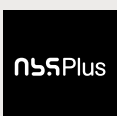
Oak grows widely across the British Isles and continental Europe and for centuries has been used in all aspects of construction, including external cladding. Being naturally durable, hard and attractive, oak remains a popular choice for both traditional rustic cladding as well as more contemporary installations.

Because of the relative instability of oak, as well as the inconsistent grade of British logs, we tend to offer our dry oak cladding in finger-jointed boards. This allows us to tightly control the grade by cutting out any undesirable knots and reduce movement by removing angled grain.

We firmly believe that using our native oak is an essential part of ensuring that our local woodlands are managed and nurtured for the future.

Produced to comply with the harmonised standard for construction products regulation BSEN14915:2013 and to conform to BS8605-1:2014 External timber cladding: Method for specifying.

<b>Trade Name</b>	Air-dried oak
<b>Base timber</b>	English oak
<b>Species</b>	Quercus Robur
<b>Process</b>	Finger jointed
<b>Origin</b>	Legal and well-managed forests in England and Wales.
<b>Intended use</b>	External cladding
<b>Other uses</b>	None
<b>Appearance</b>	Newly machined boards will display the full range of yellowish-brown colours associated with oak. Being jointed from shorter lengths, the colour variation will be more exaggerated and the zigzag joints will be noticeable.
<b>Weathering</b>	As the boards weather the colour will change to a silver-grey. On shaded elevations or in areas of higher pollution the oak may weather to more of a black colouring. In semi-shaded areas such as under eaves the exuding tannin may leave unsightly stains.
<b>Profiles</b>	Shiplap, Halflap and Splayed
<b>Dimensions</b>	20 × 70mm, 20 × 95mm, 20 × 120mm, 20 × 145mm
<b>Lengths</b>	Jointed at either 4.0mt or 6.0mt allowing for a small % of cutbacks
<b>Moisture content</b>	16 – 20%
<b>Natural durability (EN350-2)</b>	Durable Class 2
<b>Insect attack</b>	Sapwood can be attacked by the powder post beetle (Lyctus spp). However, sap is normally excluded from cladding boards.
<b>Desired service life: (BS8417)</b>	Occasionally wet 60yrs Frequently wet 30yrs
<b>Treatability class</b>	Resistant
<b>Movement class</b>	Medium (effect reduced due to finger-jointed format)
<b>Resistance to impact</b>	Medium to high
<b>Resistance to fixing</b>	High. Pre-drilling recommended.
<b>Mean density</b>	670 – 760 kg / M3
<b>When to fix</b>	Ideally Autumn / Winter only. Avoid hottest months.
<b>How to fix</b>	Face fix only with stainless steel ringshank nails. Secret fixing not advised. Pre-drill boards.





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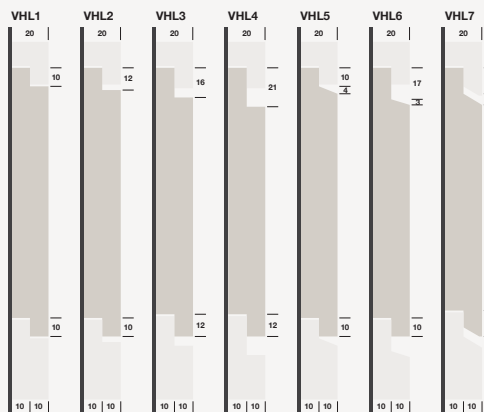
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<b>Grading</b>	BS1186-3 1990 Class 2. EN942:2007. J30. CE grade A. Clean with a few sound knots up to 30mm and regular small pips.
<b>Working properties</b>	Average workability. Takes fixings satisfactorily.
<b>Extractives</b>	Oak contains tannic acid, 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 cladding and will stain any porous materials below the cladding. The reactivity of tannin makes oak cladding unsuitable for polluted areas and shaded areas.
<b>Emission of formaldehyde (EN14915)</b>	E1 (Not significant)
<b>Reaction to fire (EN14915)</b>	Euroclass F (Untested). D-s2, d0
<b>Fire treatment</b>	Possible by impregnation
<b>CE compliant</b>	Yes

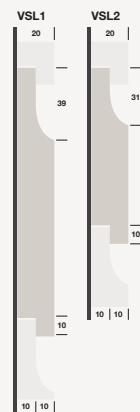
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## Cladding profiles – machined range

### Halflap



### Shiplap



### Splayed



Visit our website for fixing details. Contact us for full technical drawings.

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