VasternTimber
Air Dried Oak Cladding

Overview

Oak grows widely across the British Isles and continental Europe and has been used for centuries in all aspects of construction, including external cladding.

Naturally durable, hard, and attractive, oak remains a popular choice for both traditional and more contemporary designs. This version is supplied in random lengths without finger joints.

Technical Specification

Produced to comply with the harmonized standard for construction products regulation BS EN 14915:2013+A2:2020 and to conform to BS8605-1:2014 External timber cladding: Method for specifying.

Wood Specie

British & French oak
(Quercus robur / petrea)

Origin

Legal and well-managed forests in England and France. UKTR Compliant..

Process

None

Intended Use / Use Class (BS EN 335)

External wall cladding (above ground), generally classified as Use Class 3

Other Uses

Decking

Grading (BS EN942:2007) (BS1186-3)

(BS1186-3) Class 2. (BS EN942:2007) J30. Light character including a few sound knots up to 30mm and regular small pips and clusters. Some colour variation. No sap, rot, pith, blue stain, cross grain or excessive worm damage.

Surface Finish

Machined / smooth

Orientation

Vertical or horizontal

Thickness

20mm

Width

70mm, 95mm, 120mm & 145mm

Tolerances

Thickness +/- 0.5mm, width +/- 1mm

Lengths

Random 1.5 – 2.5mt+

Moisture Content

Air dried to 16 – 19%

Durability (EN350-2)

Durable Class 3

Insect Attack

Resistant

Desired Service Life (BS8417)

30+ years

Movement Class

Medium

Resistance to Impact

High

Resistance to Fixing

High

Mean Density

670–760 kg / M3

When to Fix

Avoid the hottest summer months

Recommended Fixings

Face fix with stainless steel ring shank nails or screws.

Battens

Durable, thermo-treated or green treated softwood 40 x 45mm at 400–500mm centres. Plus 25–40mm x 45mm counter batten for vertical cladding.

Circularity

Supplied without surface coatings.

Screw fix for easy deconstruction and replacement of damaged boards.

End of life – Recycle or burn

Working Properties

Good workability. Takes fixings satisfactorily.

Extractives

Oak contains tannic acid, which reacts with ferrous metals to form a blue-black stain. All fixings should therefore be stainless steel. Tannins may also cause brown staining on the cladding surface and on any porous materials below. Due to its reactivity, oak is not suited to polluted or heavily shaded areas.

Emission of Formaldehyde (EN14915)

E1 (Not significant)

Reaction to Fire (EN14915)

Euroclass F (Untested). D-s2, d0

Fire Retardant Treatment / Coating

Possible

UKCA Compliant (EN14915)

Yes

Product Appearance and Profile Diagrams →

Air Dried Oak Cladding

Appearance

Boards will display the full range of tan to honey colours associated with oak, including brown streaks. The wood will include small pin knots and occasional medium sized sound knots.

Weathering
As the boards weather, their colour will gradually change to a silver-grey. On shaded elevations or in areas with higher pollution, oak may darken. In semi-shaded areas – such as under eaves – exuding tannins can cause visible staining.



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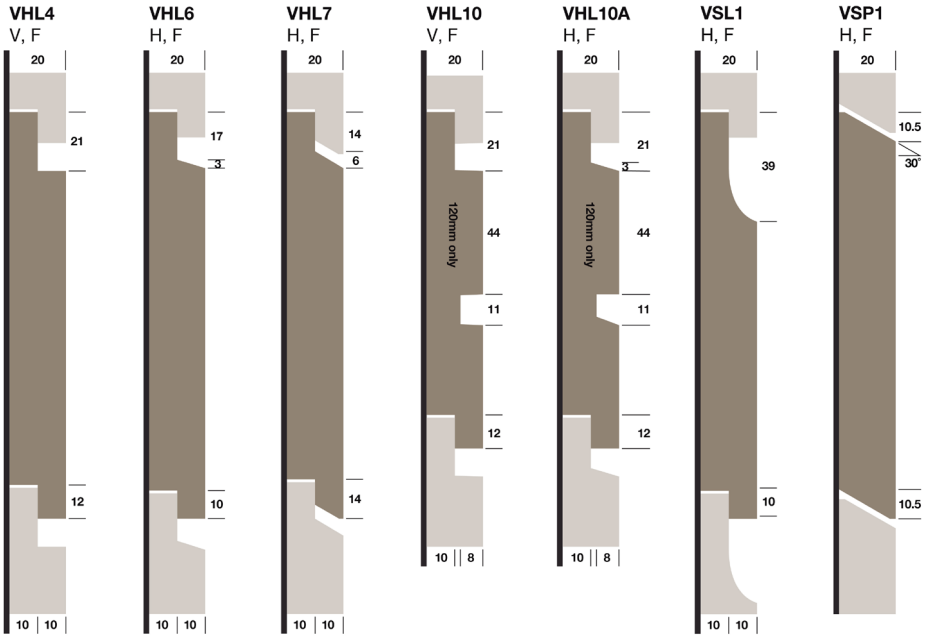
Installation

General Installation Guidance

- Only use stainless steel fixings.
- Allow min 2mm expansion gap between overlapping boards.
- Allow adequate air circulation behind cladding.
- Attach breather membrane between external face of building and battens.
- Allow min 10mm drainage gap at base of cladding.
- Install insect mesh to close off cavity behind cladding.

Popular Profiles

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(V) Vertical orientation / (H) Horizontal orientation / (F) Exposed nail through face / (T) Hidden nail through tongue

Further Information

'Selecting The Right Timber Cladding' CPD introduces the wide range of timber cladding available in the market, including British and imported timber species. The presentation also considers the environmental and design factors affecting timber cladding and how to consider these during the decision-making process.

CPD CERTIFIED
The CPD Certification Service

While the utmost care has been taken to provide accurate information, Vastern Timber shall not be held responsible for any consequences arising from errors or omissions on this document, nor for any damages resulting from the use of the information.

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