



oak PORTIMAO

two layer engineered wood flooring

Engineered oak flooring on a birch substrate combines the beauty of oak with extreme stability of a birch plywood core. The top layer consists of a real European oak wear layer, showcasing the natural grain, texture, and colour of a noble oak wood, while the birch substrate provides enhanced structural integrity. Birch plywood is known for its strength, flexibility, and resistance to warping or moisture, making it an ideal core material for engineered flooring.



CE	EN 14342
Construction	Engineered two layer
Wear layer	European oak 4mm / 6mm
Substrate	Baltic Birch plywood
Surface	Textured
Finish	Matte lacquer

Bevel, T&G	Micro 2 or 4, T&G 4 sides
Moisture content	7 % (+/- 2%)
Formaldehyde emissions	E1
Reaction to fire EN 13501-1	Dfl-s1, Cfl-s1
Grading	Character, Natural, Select and Superior

Installation over UFH	Yes, when installed and maintained in accordance with Fornett UFH guide
Installation	Glue down Other methods - refer to our Installation guide
Thermal conductivity	$\lambda=0,17$ W/mK
Maintenance	Use a cotton mop with pH-neutral floor soap for full floor cleaning. For small spots, use a damp cloth only. For more details, refer to our Cleaning & Care document
Patterns	Plank, Stretto, De'Cru, Herringbone, Chevron, Parquet patterns, Parquet panels, Bespoke shapes. For more details refer to our Pattern document
Recommended usage	Suitable for residential, commercial, hospitality, and retail projects For more details refer to our tech. documents

*Thickness	13mm / 16mm / 19mm / 21mm
*Width	80mm / 90mm / 100mm / 120mm / 140mm / 160mm / 180mm 220mm / 240mm / 260mm / 300mm (planks) 340mm / 380mm / 400mm / 450mm (large size planks) 30-70mm (Stretto) 80mm / 90mm / 100mm / 120mm / 140mm (chevron herringbone)
*Length	1700 - 2850mm, included up to 10-15% of shorter lengths Possible up to 5000mm (planks) 450mm / 500mm / 600mm / 700mm / 800mm / 900mm / 1000mm (chevron, herringbone)

**for more dimensional details please refer to complete product technical data sheet*

Grading criteria

As a manufacturer raw timber we carefully sorting and then dividing our flooring to four grades. It is also important to remember that grades are different on other timber species e.g. Superior Oak might contain very small knots and no sapwood but same grade of Walnut might allow for some of both.

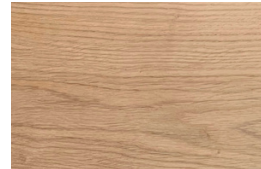
OAK SUPERIOR

Best possible oak grade. Almost clear timber minimal size knots and colour variance subtle structure



OAK SELECT

Calm and natural but still high selection of the timber with some knots. Minor colour variance Free of sapwood and cracks



OAK NATURAL

Common grade with best characteristics of oak timber. Allowed larger knots. Contrasting surface



OAK CHARACTER

Full of natural oak character, Unlimited any size of knots, however professionally filled. Allowed presence of cracks, sapwood, heartwood, bark pockets



Notes:

Each plank is unique; colour and structure vary from board to board and between batches.

UV exposure causes natural fading and colour change over time.

Samples and photographs are only indicative and cannot represent the full floor surface.

Reference:

[For full technical specifications, grading, installation guidelines, care and maintenance instructions, finishing options, and sales conditions, please consult our complete technical documentation.](#)

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