HØRNING
FLOORS FOR GENERATIONS

Castleplank®

Data Sheet

HØRNING Castleplank® is an extraordinarily strong, engineered flooring made of carefully selected materials.

Castleplank comes in ash, douglas fir, oak, and smoked oak, untreated, oiled, or lacquered.

Castleplank comes with tongue and groove on 4 sides and can be prefinished with oil or lacquer.

Highlighted Features:

- An extensive range of dimensions to create the desired design expression
- The option to install on joists
- A wooden floor ideally suited for buildings with more fluctuating indoor climates
- Documented sustainability credentials towards certifications such as BREEAM, DGNB, and LEED through EPDs and Eurofins

If you have any questions or need advice, please don't hesitate to contact us.

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FSC www.fsc.org FSC® C043090 The mark of responsible forestry
PEFC PEFC/09-31-193
INDOOR AIR COMFORT eurofins GOLD CERTIFIED PRODUCT
epddanmark

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Data Sheet

Dimensions & Construction

Type of Wood:	Oak	
Thickness:	16 mm	20 mm
Width:	160/180/220 mm	160/180/220/260/300 mm
Length:	1200-2400 mm	1200-2400 mm
Wear Layer	4 mm	6 mm

Type of Wood:	Ash
Thickness:	16/19 mm
Width:	140/180/220/260/300 mm
Length:	1000-3000/ 2000-4000 mm
Wear Layer:	4 mm

Type of Wood:	Oak	
Thickness:	21 mm	24 mm
Width:	260/300 mm	340/380 mm
Length:	2600-5000/ Up to 5200-7500 mm	2600-5000/ Up to 5200-7500 mm
Wear Layer:	4 mm	6 mnm

Type of Wood:	Douglas		
Thickness:	16 mm	21 mm	24 mm
Width:	220 mm	220/300 mm	380 mm
Length:	1000-3000 mm	1800-3000/ 2600-5000/ Up to 5200-7500 mm	2600-5000/ Up to 5200-7500 mm
Wear Layer:	4 mm	6 mm	6 mm

Moisture Content:	8% +/- 2%

Description of Gradings

HØRNING Castleplank® is made from fresh wood, modified to the dimensions of the plank floors. In general, wide/long dimensions will show most variations, knots, fillings, etc.

Wood is a natural material, and variations compared to descriptions and photos will always exist. Samples will only show dimensions and construction and cannot show the grade. It is certain that variations will exist between small samples and the actual deliveries.

Exquisit:

General uniform colour and structure. Variations, due to growth conditions, will exist. Very small, healthy knots may be found. Whirls, small scratches, cross grains, and brownheart may be found to a small extent. Also, this grade involves that the wider and longer the planks are, the more and bigger variations, knots, etc. will be found.

Living:

A more characteristic look with natural colours and wood structure (natural growth rings allowed). Small healthy knots allowed. Scratches in the surface are rare. Open knots and bigger cracks are filled. Mirror, whirls, minor open scratches, insignificant sapwood or brown heart, cross grains, and silicon stains may be found depending of the wood species. In principle, no dead knots, sapwood, ingrown bark, pith, etc.

Classic:

Consisting of Living and Country - see these descriptions.

Country:

A very characteristic look with natural colour variations and structures. Knots, sapwood, and brown heart is found. Very small open knots and scratches may be found.

Object (Douglas):

Healthy knots and splinters without restrictions. Smaller scratches and cracks up to 10 cm allowed and filled. Larger open knots replaced with oval plugs of 3-5 cm.

Exquisit/Living (Douglas):

A characteristic look with natural colours and wood structure. Healthy knots up to approximately 3 cm are allowed and small open knots are filled. Open knots are replaced with plugs. Sapwood allowed up to 50% of the width of the board.

Fire Resistance Class

Dfl-s1 (Untreated)
Cfl-s1 (Prefinished)
Declaration of Performance (DOP) upon request.

Profile

Tongue and groove on 4 sides, micro bevel on 2/4 sides, or sharp edges on request.

Surface

Standard untreated, filled, and sanded. Ask for lacquer, oil, brushing, and fuming.

Installation Method

Fully Gluing	x
Screwing and Nailing	x
Floating	x

Tolerances

Our 100 years of production experience allows us in several product types to offer even lower tolerances.

Thickness:	≤ 0.2 mm
Width:	+/- 0.2 mm
Length:	+/- 2.0 mm
Perpendicular:	Up to 0.2 mm

Underfloor Heating

Underfloor heating may be used – please see our installation guide.

Indoor Climate

It is important that the surface temperature never exceeds 27 degrees!

The relative humidity in the air (R.H.) must always be between 35-65% before, during, and after installation.

Always study the installation guide from Hørning prior to installation.

CE Certification

The product is CE marked in accordance with the European standard regarding wooden floors for indoor usage EN 14342.

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To find further information and inspiration, please visit our website.

Environment

FSC® and/or PEFC available upon request.
Eurofins Indoor Air Comfort Gold certified.
EPD available upon request for selected products.