mafi

Product data Sheet

Douglas Fir Brushed Natural Oil

Product Details

Product Code	DOBDBKN
Product Collection	Alpine
Construction	Solid 3 layered engineered
Species	Douglas Fir
Grade	Standard
Pattern	Wide plank
Vulcano	NOT
Finish	Natural oil
Surface	brushed
Profile	tongue & groove
Edge Profile	micro bevel on long sides
Top layer	4.5mm
Middle layer	Spruce
Back layer	4.5mm
Adhesive	PVA Manufacture with water, carbon, lime & acetic acid
Thickness	19mm
Widths	N/A
Lengths	N/A
Wide Plank	4000mm | 5000mm x 240mm | 260mm | 280mm | 300mm
Maintainance	Visit www.mafi.com.au/maintainance
Residential Warranty	25 year structure warranty
Commercial Warranty	5 year warranty

Installation Methods

Fully Bonded	Yes (recommended)
Nailed	Brad Nail Through Tongue
Floated on Underlay	Yes (PVA Tongue & Groove)
Over Joist	19mm only @ 400mm centres
Over Underfloor Heating	Yes (see below)

Mafi Natural Wooden Floors are suitable for use over under floor heating systems. Please have a look into the Mafi guide for installing over underfloor heating. With a room temperature of 21 °C the floor's surface temperature should be a maximum of 29 °C and should not exceed this temperature.
Please refer to Mafi installation over underfloor heating guide for full instructions.

Grading Criteria

Branches	healthy knots up to 60mm, putty filled knotholes are permitted
Cracks	putty filled cracks up to 2mm wide are permitted, putty filled cracks up to 500mm are permitted
Cotter	permitted. Resin max 4 pitch pockets per plank
Worn	not permitted
Discolourisation	permitted
Grain	permitted
Sorting Picture	
Color Difference	is a characteristic of natural wood

Technical Criteria

Origin	Austria
Responsible Certification	Living Product Challenge, Declare Label red list free, FSC, MAS green certificate, 0 waste solution
Janka Hardness Rating	19 N/mm2
Formaldehyde Emission	E1
Pentachlorophenol Emission	< 5 ppm
Slip Testing	P3
European fire classification	CFL-s1
Reaction to fire | Floors (CRF)	9.8 kW/m^2
Reaction to fire | Walls & Ceilings	Group 3
Thermal Resistance	0,09 - 0,19 m2*K/W

Woodos.

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Sydney
P: 02 9698 7877
mike@mafi.com.au
mafi.com.au

Melbourne
m: 0424 505 133
timh@mafi.com.au
mafi.com.au

Singapore
m: 9226 5395
mike@mafi.com.sg
mafi.com.sg

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References

Douglas Fir are impressive wide plank boards with a subtle appearance and a clear surface structure. Doulgas Fir is ideal for everything from chick country home to contemporary crisp architecture. The raw material originates from Austria and is only felled in the winter months. During winter the tree ceases its growth for a short period, resulting in further robustness and stability in the wood.

This hand crafted, solid engineered board consists of three-layers with the top and bottom made of the same species, ensuring perfect balance. The middle layer is conifer and runs across the grain for added strength. The layers are glued together with an all-natural glue of water, lime and plant acid.

This board comes pre-finished with a superior brushed textured surface and all-natural oil finish making it suitable for heavily frequented domestic and commercial areas, as well as over under floor heating and in bathrooms.

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mike@mafi.com.au
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m: 0424 505 133
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mafi stands for sustainable and natural wooden floors

At the core of mafi's philosophy is direct human contact with the natural material wood, because this contact has a positive effect on all our senses, whether we're at home, at work, or in a restaurant.
Our manufacturing process focuses on finishing the surfaces with natural oils and then drying them naturally in fresh air. The self-regenerative and antibacterial effects of the wood are also preserved.
mafi therefore stands for wood instead of plastic, for natural colour instead of artificial stained or painted colour, and for unique quality instead of interchangeability.
mafi wood floors are made with only natural elements and have no toxins, whereas artificial products can potentially be unhealthy, especially after long time periods.
Therefore, a "wood floor" becomes a plastic floor supported by wood. There is no known physical health benefit to a plastic coated wood floor whereas a wood floor that is natural has multiple health benefits.

Installations

Mafi floors should be installed by an experienced floor installer or competent carpenter. Please find mafi installation guide here www.mafi.com.au/installation/
If unsure on how to best install please contact one of our timber floor consultants to get assistance on selecting the best installation method.

Moisture content of the wood

The moisture content of mafi natural wooden floors is between 6 – 8 % ex works. (exception: all Vulcano floors are between 2 – 5 %). This is guaranteed through special analysers which are continuously calibrated.

Usage

All mafi natural wood floors comply with CE directives in accordance with ÖNORM EN 14342.

Due diligence

The subsurface as well as the goods for installation has to be checked if the standards are kept to the following:
Parquet works DIN 18356;
Wooden floors: DIN EN 13489;
Tolerances in building construction DIN 18202
Each plank or panel has to be checked regarding proper quality prior to installation.
The completion of a heating protocol is imperative if an installation on underfloor heating is realized.

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