

Product data Sheet

Beech Vulcano Fresco Duna White Oil



Product Details

Product Code	F500FKW
Product Collection	Fresco
Construction	Solid 3 layered engineered
Species	beech
Grade	Clear
Pattern	plank
Vulcano	YES
Finish	white Oil
Surface	Fresco
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	16mm or 19mm
Widths	185mm
Lengths	2400mm
Wide Plank	N/A
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	isolated small knots are permitted
Cracks	cracks are not permitted
Cotter	
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	34 N/mm ²
Formaldehyde Emission	E1
Pentachlorophenol Emission	< 5 ppm
Slip Testing	P3
European fire classification	CFL-s2
Reaction to fire Floors (CRF)	5.1 kW/m ²
Reaction to fire Walls & Ceilings	Group 3
Thermal Resistance	0,07 - 0,19 m ² *K/W



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References



Fresco Duna is an example of Mafi's innovative approach to revolutionising the way we manufacture and use wood. Using new technologies, Mafi transforms the surface of beech wood planks into 3D works of art that can be used as a design element for walls, ceilings and as flooring.

Mafi manufactures the most natural sustainable floors in the world which stand out due to their longevity and robustness, and are 100% all-natural, free from harmful substances such as formaldehyde.

This hand crafted, 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 semi pre-finished with a superior textured surface and all-natural oil finish making it suitable for heavily frequented domestic and commercial areas, as well as over underfloor heating and in bathrooms. This boards requires a final site oil finish on site with mafi natural oil or mafi white oil.





Beech Vulcano Fresco
Duna White Oil

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.