Product Data Sheet

Collection: **ALPIN**
Product: **SPRUCE**
Product Code: **FIEB**

TECHNICAL PRODUCT DESCRIPTION:

Branches	healthy knots up to 35mm and splay knots (20x60mm) are permitted, putty filled knotholes up to 20mm are permitted
Cracks	putty filled cracks up to 1/3 of the plank are permitted
Cracks	small open and unsealed spots of a few mm are permitted
resin	small pitch pockets are permitted
Worm	not permitted
Discolourisation	not permitted
Grain	permitted
Color difference	is a characteristic of natural wood

WOOD TYPE:

Spruce - The Spruce is local softwood and reveals an even surface image. This originally yellowy-white wood is proportionally soft and with knots throughout.

WOOD TREATMENT:

untreated - The planks have not received a thermo treatment (Vulcano). The wood is obtained from carefully managed forests managed within Central Europe. The mafi philosophy ensures the complete tree is used and nothing is wasted. The resulting variations in lengths and width underline the character of a natural wooden floor.

TYPE OF PLANK:

Symmetric-three-layer-construction - Symmetric-three-layer-construction with bevel on long side (depending on product: small, big, hand-planed) and all side tongue and groove for end to end laying.

- Overlay approx. 4mm consisting of selected quality wood. *Hand-planed and milled surfaces may have a thinner top layer on partial areas.
- Intermediate softwood, bonded to the overlay and back layer with PVA adhesive
- Back layer approx. 4mm consisting of the same wood as the overlay

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mafi : walk on art

AVAILABLE DIMENSIONS:

2480 x 190 x 16
2480 x 190 x 19
3980 x 190 x 16
3980 x 190 x 19

SURFACE:

The surface finishing of mafi natural wooden flooring is done exclusively with natural oils, which cure oxidatively. These oils consist of naturally renewable raw materials and are 100% biodegradable. Natural oils are harmless and generally antiallergenic. They provide a pleasant surface and a natural optical appearance of wood.

To obtain the desired visual appearance and quality, each mafi natural wooden floor is oiled twice.
This is the reason why we distinguish between:

- Production surface = professionally preoiled surface ex works
- Installed surface = professionally re-oiled surface after the flooring is laid.

Exception: All floors of the Domino collection are delivered with a raw surface.

Floors with the following surfaces are treated with mafi natural care oil balm after being laid:

- grey oiled
- graphite grey oiled
- deep white natured
- rough saw texture

These should be completed by the certified partners of mafi to ensure a guarantee.

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AVAILABLE SURFACE TREATMENT:

brushed / natural oil:
brushed / white oil:
rough saw texture / natural oil:

UNDERFLOOR HEATING:

Nearly all mafi natural wooden floors are suitable for underfloor heating systems. Only exceptions are Larch Country, Larch Country Vulcano and Vulcano Rosso). Please have a look into the installation instructions for detailed information. With a room temperature of 21°C the floor´s surface temperature should be maximum 29°C.

ADHESIVE (PVA):

mafi natural wooden floors are exclusively glued together with casein adhesive. It is manufactured with water, carbon, lime, acetic acid and without any use of formaldehyde and solvents. PVA, the principal component for casein adhesive is used for packaging food and therefore it is free of any poisonous category.

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 analyzers which are continuously calibrated.

TONGUE AND GROOVE:

The width of each tongue and groove is circa 4mm. It is about keyway. Tongue and groove is on all sides for easy installation.
Exception: All floors of the Domino collection are delivered glued on a net without tongue and groove.

INSTALLATION:

mafi natural wooden floors can be installed floatingly, with floor joists or by gluing. Please take the mafi installation instructions into consideration.

USAGE:

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

P1: P1 Suitable for low and medium traffic: bedroom, children's room, lounge, etc.

IMPORTANT ADVICE:

mafi natural wood floors are pure natural products and therefore unique. Differences in color and textures are because of different growing conditions of the single tree. Samples and exhibition spaces can never match the delivered floor to 100%.

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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.

TECHNICAL DATA:

Density:	**0,69 - 0,80 g/cm3**	g/cm³
Thermal resistance:	**0,08 - 0,18 m2*K/W**	m2k/w
Hardness (Brinel scale)	**13 N/mm2**	N/mm²
Lindane and Pentachlorophenol	**< 5 ppm**	ppm
Fire certification	**CFL-s1**	
Emission Category	**E1**	

DISCLAIMER:

With publication of this product data sheets all previous versions invalid. Errors, prices, and technical modifications are possible to change without notice. We accept no liability for changes, mistakes or printing errors. Valid from: 2022

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