

Product Data Sheet

Collection: **Basic Eiche**
 Product: **OAK Character**
 Product Code: **EIEB**

TECHNICAL PRODUCT DESCRIPTION:

Branches	healthy knots are permitted
Cracks	stress cracks up to 300mm are filled with putty
Cotter	not permitted
Worm	not permitted
Discolourisation	permitted
Grain	permitted
Color difference	is a characteristic of natural wood

WOOD TYPE:

Oak - The Oak is surely one of the most hard wearing woods. Depending on sort, this hard wood offers surfaces free of knots or very lively with large knots and cracks as well as color varieties from almost white to almost black

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.

PLANK TYPE:

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. 4 respectively 5mm (hardwood respectively conifer) 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. 4 respectively 5mm (hardwood respectively conifer) consisting of the same wood as the overlay

Natural wooden floors made in AUSTRIA

mafi Natural Wooden Floors GmbH

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AVAILABLE DIMENSIONS:

1800/2000/2400 x 260/280/300 x 19

1800/2000/2400 x 155 x 16

1800/2000/2400 x 155 x 19

1800/2000/2400 x 185 x 16

1800/2000/2400 x 185 x 19

1800/2000/2400 x 240 x 16

1800/2000/2400 x 240 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.

There are some defined criteria from mafi for the installed surface. These should be completed by the certified partners of mafi to ensure a guarantee.

AVAILABLE SURFACE TREATMENT:

brushed / graphite grey oil: By brushing wood, it gets a characteristic surface structure depending on its naturally grown wood grain. graphite grey oiled - the two-time application of the oil leads to an intense and dark grey tone in graphite optical

brushed / basalt grey oil: By brushing wood, it gets a characteristic surface structure depending on its naturally grown wood grain. basalt grey oiled – the two-time application of the oil leads to an intense and light grey tone in basalt optical

brushed / grey oil: By brushing wood, it gets a characteristic surface structure depending on its naturally grown wood grain. grey oiled - grey pigments in the oil make the wood appear weathered.

brushed / 1x natural oil/1x white oil: By brushing wood, it gets a characteristic surface structure depending on its naturally grown wood grain. 1x natural oiled/1x white oiled - the plank is treated one time with natural oil and one time with white oil. Therefore the surface has a mixed shade of light yellow.

brushed / natural oil: By brushing wood, it gets a characteristic surface structure depending on its naturally grown wood grain. natural oiled - the natural oil intensifies the colour and grain of the wood.

brushed / white oil: By brushing wood, it gets a characteristic surface structure depending on its naturally grown wood grain. white oiled - white pigments in the oil brighten the floor.

brushed / extreme white oil: By brushing wood, it gets a characteristic surface structure depending on its naturally grown wood grain. extreme white oiled - repeated use of white oil intensifies the light appearance.

heavily brushed / graphite grey oil: By heavily brushing it, the wood gets a very intensive surface structure depending on its naturally grown wood grain. graphite grey oiled - the two-time application of the oil leads to an intense and dark grey tone in graphite optical

heavily brushed / basalt grey oil: By heavily brushing it, the wood gets a very intensive surface structure depending on its naturally grown wood grain. basalt grey oiled – the two-time application of the oil leads to an intense and light grey tone in basalt optical

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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 27°C.

ADHESIVE (PVA):

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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 / P2 / O: P1 Suitable for low and medium traffic: bedroom, children's room, lounge, etc. P2 Suitable for medium traffic and heavily frequented areas: kitchen, dining-room etc. O Suitable for commercially used zones. Attention! Only after consultation with an expert and compliance test of the actual area!

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%.

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 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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TECHNICAL DATA:

Density:	0,43 - 0,96 g/cm³	g/cm ³
Thermal resistance:	0,07 - 0,17 m²*K/W	m ² k/w
Hardness (Brinell scale)	34 N/mm²	N/mm ²
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.