

# Solid wood flooring

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# Java teak

(Tectona grandis)

### Growth

Teak is deciduous wood, tropical tree from family Lamiaceae. Most of teak trees grow to an average height of 9-11m with a trunk diameter of 1-1,5m.

#### Origin

Teak is from Myanmar and grows also in India, Thailand, Indonesia, and Java. It spread partially to Malaysia, Borneo, Philippines, to tropical Africa and Central America.

#### Appearance

Real Burmese teak has narrow, light yellow-brown sapwood and dark gold-brown wood which darkens outside on the surface to medium or dark brown. Burmese teak has mostly direct fibration.

Javanese teak unlike Burma teak has more lively structure, wider colour range and more various structure.

#### *Characteristics*

Teak wood has density after drying from 610 to 690kg/ m3, on average 640kg/m3. It dries slowly and keeps a good stability when used. Teak has medium bending strength, low solidity and impact resistance, high compression strength, and is suitable for bending within medium scope. Teak is suitable for shaping. The floor parts are designed to be glued down on the whole area of laying. After laying it is necessary to carry out the whole floor surface regrinding with sandpaper 150. For the whole floor gluing we recommend to use a polyurethane adhesive KIESEL BAKIT PU-P which will ensure that even a highly oily wood such as Teak will not tear away in the course of use and the stickiness will not be disturbed.

## Quality and processing

Solid teak, sanded surface, unfinished, 4x tongue-groove connection, not beveled on longitudinal and transverse sides.

#### Supplied dimension

#### Java teak

15 x 90mm length 400-1,200mm 15 x 120mm length 400-1,200mm

Teak is delivered from warehouse with min. 20% of lengths 400-600mm in balanced representation, and 80% of lengths 650-1,200mm.

Floor strip solid teak 7 x 35mm length 1.5-3m





### Teak (Javanese teak)

version 4x tongue-groove connection 15 x 90mm 15 x 120mm

#### Lengths

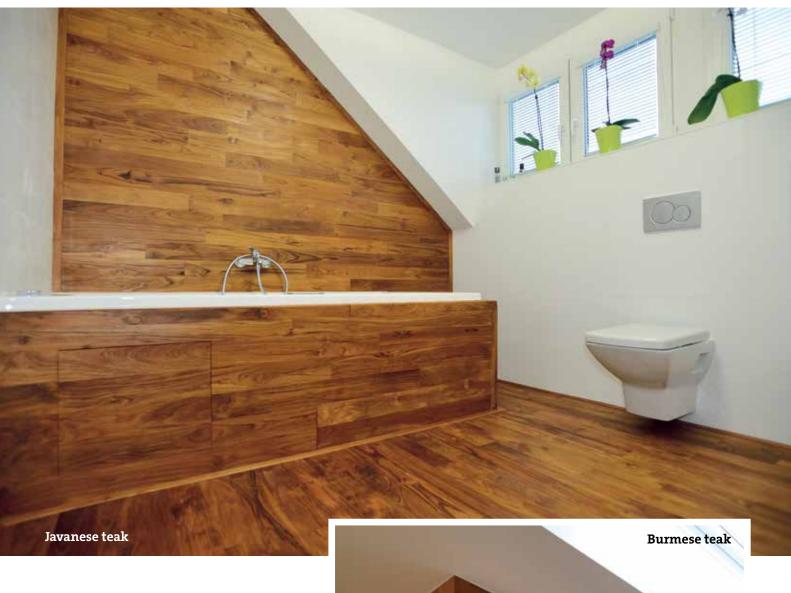
Teak is delivered from warehouse with min. 20% of the lengths 400-600mm in balanced representation and 80% of the lengths 650-1,200mm. Only lengths 650-1,200mm = 10% extra charge.



#### Java teak floor 15 x 90mm







## Teak









## Burmese teak

(Tectona grandis)

## Teak (Burmese teak)

Version 4x tongue-groove joints 4x beveled on longitudinal and transverse sides 1mm Profile: 15 x 120mm



Lengths Teak is delivered from warehouse with min. 20% of the lengths 300-600mm in balanced representation and 80% of the lengths 650-1,650mm. Only lengths 650-1,650 mm = 10% extra charge.

### Supplied dimension

**Burmese teak** 15 x 120mm length 300-1,650mm

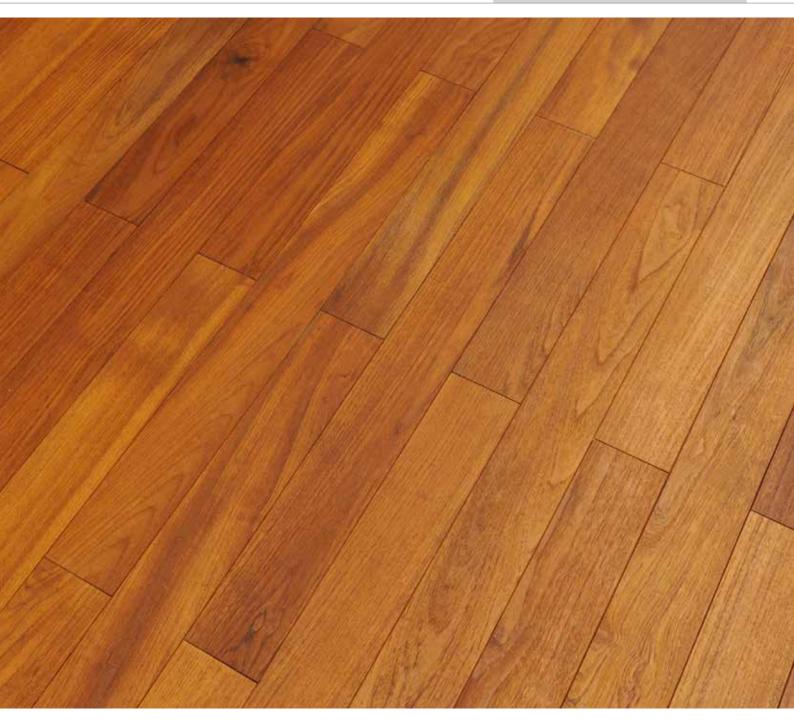
Teak is delivered from warehouse with min. 20% of lengths 300-600mm in balanced representation, and 80% of lengths 650-1,650mm.

Floor strip solid teak 7 x 35mm length 1.5-3m



Burmese teak floor 15 x 120mm





Burmese teak floor 15 x 120mm

## Surface treatment

We recommend surface treatment for interior teak floors by means of 2 really thin coats of OSMO hardwax oil.





# Merbau

(Intsia Bijuga)

## Origin

The wood grows in South-East Asia, in particular Indonesia and Malaysia in areas close to the shore and in higher locations up to 400 meters above sea level.

## Appearance

Heartwood is brown-grey to dark red-brown with various tints. The colour differences between individual boards are natural and common and form a very attractive appearance for demanding interiors.

### Characteristics

This wood has almost balanced texture free from defects and sap. The wood contains high level of resin indicated in the occurrence of gold-yellow veining. The wood is very hard and has long lifetime due to high density and contained substances. Wood density: 850-1,100kg/m<sup>3</sup> For the whole floor gluing we recommend to use a polyurethane adhesive KIESEL BAKIT PU-P which will ensure that even a highly oily wood such as Merbau will not tear away in the course of use and the stickiness will not be disturbed.

## Quality and processing

Solid Merbau, sanded surface, unfinished, 4x tongue-groove connection

## Supplied dimension

15 x 90mm length 300-1,200mm. Merbau is delivered from warehouse with min. 20% of lengths 300-600mm in balanced

representation, and 80% of lengths 650-1,200mm. Only lengths 650-1,200mm = 10% extra charge.

#### Floor strip

Merbau veneer natur 19 x 40mm



## Merbau

15 x 90mm

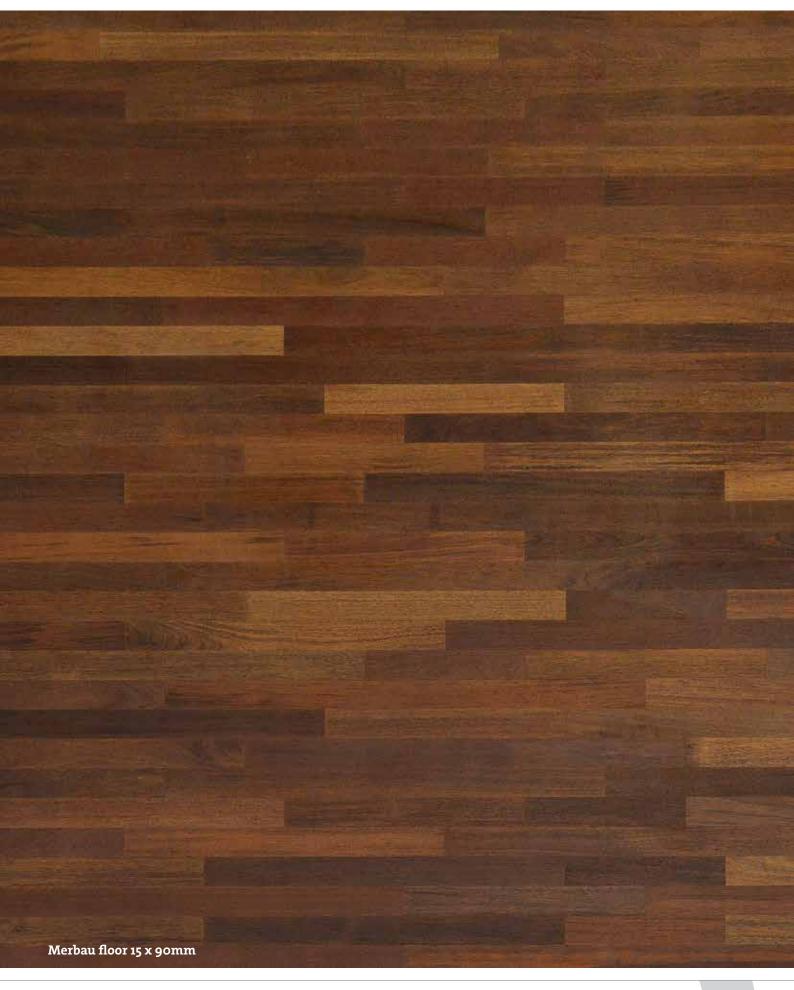


## Surface treatment

For the surface treatment of merbau wood we recommend two very thin coats of OSMO clear wax No. 1101.









# Palisander

(Dalbergia)

## Growth

Palisander is a tropical tree that grows up to 24m with a trunk diameter of 0.3 to 1.5 meters. It is highly prized because it reaches larger diameter after 100 years of growth. It belongs among the most valuable and most expensive commercial tree species with lasting value.

### Origin

Our Palisander comes from Indonesia from Java and grows there in tropical lowland rain forests up to 1,200m above see level.

## Appearance

Narrow strips of light, creamy yellow sapwood have a purple tinge and are clearly separated from the heartwood, which is a medium to dark violet-brown with dark annealing.

### Characteristics

Density of rosewood after drying is approx. 850kg/m3. It dries very slowly and after drying it is a very stable wood. Palisander is very heavy wood with high bending and pressure strength. Machine and manual processing is more difficult because the substances contained in the wood strongly dull the tool edges.

The floor parts are solely designed to be glued down on the whole area of laying. After laying it is necessary to carry out the whole floor surface regrinding with sandpaper 120-150. For the whole floor gluing we recommend to use a polyurethane adhesive KIESEL BAKIT PU-P which will ensure that even a highly oily wood such as rosewood will not tear away in the course of use and the stickiness will not be disturbed.

## Quality and processing

Solid Palisander, sanded surface, unfinished, 4x tongue-groove joints

### Palisander





## Supplied dimension

15 x 90mm length 400-1,000m.

Palisander is delivered from warehouse in balanced representation of all lengths, according to inventory and supply options.

#### Floor strip solid Palisander 7 x 35mm.

## Surface treatment

We recommend surface treatment for interior Palisander floors by means of 2 really thin coats of OSMO clear wax No. 1101: It is necessary to wait for a few days between the first and the second coat. Palisander accepts the oil coat very slowly and the coat drying time is therefore longer. Between the first and second coating the floor has to fully padded by a red pad.









Oak

## (Quercus s.p.p.)

is the generic name for deciduous and evergreen trees from the beech family.

The entire genus comprises 400-600 kinds occurring mainly in temperate to subtropical zone of the northern hemisphere. Most widespread are in North America and East Asia, fewer species come from Europe. Some species are found in tropical areas of Asia and South America. Hard oak wood has been used for centuries to manufacture beams, floors and furniture. Barrels for maturing wine and other alcoholic beverages are made from oak.

### Growth

European oak grows to a height of 18-30m with a diameter of 1.2-1.8m.

## Appearance

Sapwood is lighter than core wood which is also lighter, yellow-brown, usually straight grain but often irregular or transversely grained. The radial cut shows a characteristic silverish design caused by wide rays and it has a slightly rough texture.

## Characteristics

Density of European oak after drying is 720-750kg/m3. Medium hard wood has a medium bending and pressure strength, low solidity and impact resistance and is very suitable for bending. Oak causes metal corrosion and in a moist environment the contact with metal produces blue to black spots on the wood. Oak contains significant amounts of tannins 12-20% catechins and ellagitannins. It also contains flavonoids and purpurogalin,

i.e. the redness of oak bark. For the whole floor gluing we recommend to use an elastic adhesive KIESEL BAKIT EK or polyurethane adhesive BAKITO PU-P.

## Quality and processing

Solid oak, sanded surface (120/160mm), brushed (180mm), knots filled, unfinished, A/B quality natural (technical data sheet for quality available upon request) 4x tongue-groove joints, 4x phase on longitudinal and transverse

## Supplied dimension

#### MASSIVE OAK FLOORBOARDS, SANDED SURFACE

20 x 120/160mm length 400-1,300mm - width 120mm length 400-3,000mm - width 160mm Oak is delivered from warehouse in balanced representation according to inventory possibilities.

#### **NEW** MASSIVE OAK FLOORBOARDS. **BRUSHED SURFACE**

20 x 180mm length 600-3,000mm Oak is delivered from warehouse in balanced representation according to inventory possibilities.





#### 20 x 120/160mm smooth, unfinished

#### 20 x 180mm brushed, unfinished



#### **Floor strips**

OAK floor strip veneer natural 7 x 35mm length 2.4m (middle layer from pine), unfinished

Oak floor 20 x 160mm **OSMO** surface treatment Hardwax oil No. 3032

> Solid OAK floor strip 18 x 50mm length 2m, unfinished

Solid OAK floor strip 7 x 35mm length matching 1-2m, unfinished



Solid oak floors 20 x 180mm, surface treatment OSMO transparent decorative wax No. 3151 pigeon blue, finishing OSMO hardwax oil No. 3032

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Solid oak floor OAK 20 x 180mm, surface treatment OSMO transparent decorative wax No. 3161 ebony, finishing OSMO hardwax oil matt No. 3062 mun



## Oak (Quercus s.p.p.)

#### Colour variations provided by OSMO oil which can give your wood the following tints:

#### 3519 Natural



#### 3501 White



#### 3512 Silver grey



#### 3514 Graphite



#### 3518 Light grey



#### 3516 Jatoba



#### 3541 Havanna



#### 3543 Cognac



#### 3564 Tabac



#### 3590 Black



#### 3091 Silver on a smoky oak



#### 3092 Gold on a smoky oak







### Surface treatment

Surface treatment of the oak wood can be very diverse. If you prefer a colour-free surface treatment we recommend using OSMO hardwax oil silky semi-mat No. 3032, matt No.3062 or gloss No. 3011. If your desire is a colourful rendition of your floor we recommended to apply a primer from the range of OSMO products in series OSMO transparent decorative wax, OSMO oil stain, or OSMO hardwax oil with colour, and after drying apply the traditional OSMO colour-free hardwax oil No. 3032 silky semi-mat or No. 3062 matt. The surface does not require demanding maintenance, it is simply renewable by means of the maintenance products OSMO COLOR. Detailed information about OSMO COLOR coatings can be found at www.osmocolor.eu or ask your regional sellers of branded wood coatings OSMO COLOR.











## Oak - parquet

Solid oak parquet 15 x 100mm length 500mm L&R

### Supplied dimension

SOLID WOOD PARQUET 15 x 100mm length 500mm L&R

#### Quality and processing

Solid oak, sanded surface, unfinished, A/B quality natural (technical data sheet for quality available upon request),

4x tongue-groove connection, 4x beveled on longitudinal and transverse sides. For the whole floor gluing we recommend to use a polyurethane adhesive KIESEL BAKIT PU-P.





Solid oak industrial mosaic

## Oak - industrial parquets

### Supplied dimension

#### **INDUSTRIAL PARQUETS**

10 x 8 x 160mm 16 x 8 x 160mm

### Quality and processing

Solid oak, sanded surface, unfinished, A/B quality natural (technical data sheet available upon request), For the whole floor gluing we recommend to use an elastic adhesive KIESEL BAKIT EK or polyurethane adhesive BAKITO PU-P.

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Oak industrial parquet, surface treatment OSMO colour oil No. 5417 intensive black, finishing OSMO hardwax oil No. 3032



Ash (Fraxinus spp.)

### Growth

Ash trees are deciduous trees growing to a height of 24-37m, with an average trunk diameter of 0.6-1.5m.

## Appearance

The European ash is creamy white to light brown, sometimes with a distinctive dark brown at the heart

### Characteristics

Density of European ash after drying is 580kg/m<sup>3</sup>. Ash has a straight fibre and a rough texture, its growth rings create very decorative design in the tangential cut. It has medium bending and pressure strength. Easy for surface treatment. For the whole floor gluing we recommend to use an elastic adhesive KIESEL BAKIT EK or polyurethane adhesive BAKIT PU-P.

## Supplied dimension

#### SOLID ASH FLOORBOARDS

20 x 160mm length 0.6-3m (matching lengths) 20 x 140mm, length 0.6-3m (matching lengths) Ash is delivered from warehouse in all lengths according to inventory possibilities.

## Quality and processing

Solid ash, polished surface, knots filled, unfinished, A/B quality natural (technical data sheet for quality available upon request), 4x tongue-groove connection, 4x beveled

on longitudinal and transverse sides 1mm.

#### **Floor strip**

Solid ash 7 x 35mm length 2.4m, unfinished

#### Surface treatment

We recommend a colour-free surface treatment using OSMO hardwax oil No. 3032 or No. 3062. The surface does not require demanding maintenance, it is simply renewable by means of the maintenance products OSMO COLOR. Detailed information about OSMO COLOR coatings can be found at **www.osmocolor.eu**or ask your regional sellers of branded wood coatings OSMO COLOR.











Solid ash floor 20 x 160mm, surface treatment OSMO hardwax oil No. 3032 silky semi-mat



# Siberian larch Czech Larch

(Larix sibirica & Larix decidua)

## Growth

Siberian larch is a coniferous tree that grows to a height of 40m with a trunk diameter of 1-1.2m. Silesian larch reaches similar heights and is harvested on the territory of the Czech Republic.

## Origin

Siberian larch is harvested in West Siberian lowland and Czech larch is harvested only in Jeseníky foothills and in parts of Czech republic - Bruntál, Krnov and Opava region.

## Appearance

Siberian larch has a yellowish white to reddish wood, with healthy blind knots. Its wood has a straight grain and a subtle, relatively uniform texture. Czech larch displays higher colour diversity, it has more lively structure and greater number of knots including wing-shaped knots.

### Characteristics

Density of Siberian larch after drying is approx. 650kg/m<sup>3</sup>. Density of Czech larch after drying is approx. 550kg/m<sup>3</sup>. Larch is one of the valued and the most durable wood among coniferous trees. The contained resin repels water as a natural waterproofing and protects the wood against fungal attack.

It is easy to be machined.

Our 15mm floor parts are solely designed to be glued down on the whole area of laying. For the whole floor gluing we recommend to use an elastic adhesive KIESEL BAKIT EK or polyurethane adhesive KIESEL BAKIT PU-P. 27mm floor parts are intended for installation on wooden grid or better on a base made by OSB boards.

## Quality and processing

Siberian larch solid 15mm, polished surface, unfinished, or with a final finish OSMO hardwax oil, 4x tonguegroove connection, 4x beveled on the longitudinal and transverse sides approx. 1mm.

Czech **larch** solid 27mm, polished surface, unfinished, 2x tongue-groove joints on the longitudinal sides, without phases

## Supplied dimension

#### Siberian larch

15 x 135mm length 1.98m (covering width = charged) Czech larch

27 x 146mm length 4-5m (covering width = 138mm) mostly in stock length just 4m

#### Floor strip

solid larch 20 x 42mm

## Surface treatment

We recommend surface treatment for interior larch floors by means of 2 thin coats of OSMO hardwax oil N. 3032. Our usual OSMO hardwax oil No. 3032 intensifies the grain of wood and strength of wood by creating the so-called wet effect. A different surface can be achieved by using the new hardwax oil Natural No. 3041 which works exactly against this effect. White, almost invisible pigment will cause that the wood remains bright as an unworked freshly laid wood. At the same time it protects the natural oils and waxes of the wood from dirt and abrasion. The floor is then feeling very naturally and immediately after drying is entirely non-toxic.





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Solid Siberian larch floor 15 x 135mm, surface treatment OSMO hardwax oil.



## Pine (Pinus spp.)

## Growth

European pine grows to a height of 30m with a trunk diameter of 0.6-1m.

## Appearance

Creamy pink sapwood contrasts with the heartwood which is yellow-red to red-brown with prominent wide growth rings. It is very resinous and has a rough texture

## Characteristics

Density of pine wood after drying is approx. 480-510kg/ m<sup>3</sup>. It has a high bending and pressure strength and high solidity. Pine has a high resin content. Surface treatment of pine wood is easy.

## Supplied dimension

15 x 111mm length 1.75m (covering width = charged)  $24/27 \times 146$  mm length 4-5m (covering width = 138 mm)

#### Floor strip

solid pine 20 x 42mm length 2.7m

## Quality and processing

Nordic pine solid 15mm, sanded surface, unfinished or with final finish OSMO transparent hardwax oil or in 5 colour version, 4x tongue-groove connection, 4x bevelling on longitudinal and transverse sides approx. 1mm. Supplied in classification A. Czech pine solid 27mm, sanded surface, unfinished, 2x tongue-groove connection on the longitudinal sides, without bevelling. Supplied in classification A/B.

## Surface treatment

Surface treatment of the pine wood can be very diverse. If you prefer a colour-free surface treatment we recommend using OSMO hardwax oil No. 3032 or No. 3062. If your desire is a colourful rendition of your floor we recommended to apply a primer from the range of OSMO products in series OSMO transparent decorative wax. OSMO oil stain. or OSMO hardwax oil with colour, and after drying apply the traditional OSMO transparent hardwax oil No. 3032. The surface does not require demanding maintenance, it is simply renewable by means of the maintenance products OSMO COLOR. Detailed information about OSMO COLOR coatings can be found at address

www.osmocolor.eu or ask your regional retailers of branded OSMO COLOR wood coatings.

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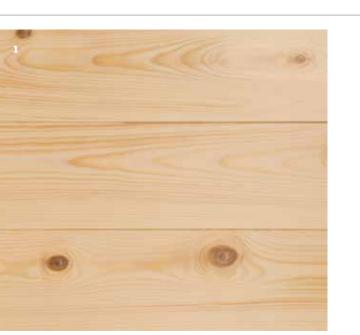
Floor from solid floorboards 2x tongue-groove joints, Czech pine 27 x 146mm with surface treatment OSMO hardwax oil No. 3040 white

Floor from solid floorboards 4x tongue-groove connection, Nordic pine 15 x 111mm with surface treatment OSMO hardwax oil No. 3032 silky semi-mat -



Floor from solid floorboards 4x tongue-groove connection, Nordic pine 15 x 111mm with surface treatment OSMO hardwax oil.

## Pine













1: Nordic pine A, 15 x 111mm, NATURE colour 2: Nordic pine A, 15 x 111mm, FOG colour 3: Nordic pine A, 15 x 111mm, CANYON colour 4: Nordic pine A, 15 x 111mm, STONE colour 5: Nordic pine A, 15 x 111mm, DEEP FOREST colour

## solid wood flooring Real FLOOR®

## Nordic (Picea abies)

### Growth

Spruce grows to a height of 60m with a trunk diameter of 0.6-1.8m.

## Appearance

Spruce colour is white to pale yellow-brown. Its wood is straight-grained and has a fine texture.

## Characteristics

Density of spruce wood after drying is approx. 420-460kg/m<sup>3</sup>. It has a lower solidity, medium bending and pressure strength. It shows minimum changes during application. Surface treatment of spruce wood is easy.

## Supplied dimension

#### SOLID FLOORBOARDS

19 x 121mm length 4 + 5m 24 x 146mm length 4 + 5m 28 x 146mm length 4 + 5m 32 x 146mm length 4 + 5m 40 x 146mm length 4 + 5m

## Quality and processing

Solid spruce, sanded surface, unfinished, A/B quality (technical data sheet for quality available upon request), 2x tongue-groove joints, without micro phase on the longitudinal and transverse side







## Surface treatment

Surface treatment of the spruce wood can be very diverse. If you prefer a colour-free surface treatment we recommend using OSMO hardwax oil No. 3032 or No. 3062. If your desire is a colourful rendition of your floor we recommended to apply a primer from the range of OSMO products in series OSMO transparent decorative wax, OSMO oil stain, or OSMO hardwax oil with colour, and after drying apply the traditional OSMO transparent hardwax oil No. 3032. The surface does not require demanding maintenance, it is simply renewable by means of the maintenance products OSMO COLOR. Detailed information about OSMO COLOR coatings can be found at **www.osmocolor.eu**or ask your regional retailers of branded wood coatings OSMO COLOR.







3161 ebony wood on a spruce



3151 pigeon blue on a spruce

Floorboard SPRUCE 28 x 146mm with surface treatment OSMO transparent decorative wax No. 3213 gold maple and OSMO transparent hardwax oil No. 3032



3143 cognac on a spruce



3138 mahogany on a spruce



3164 oak on a spruce



3166 walnut on a spruce



3123 gold maple on a spruce 3127 savanna on a spruce



3111 white on a spruce

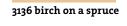


3128 beech on a spruce

3137 cherry on a spruce











SPRUCE floor 28 x 146mm with surface treatment OSMO transparent decorative wax No. 3143 Cognac and OSMO transparent hardwax oil No. 3032

solid wood flooring Real FLOOR®

## Compare...

## TRADITIONAL COATING SYSTEM BASED ON OIL

- > protects wood from the inside
- > does not create a film
- > does not form a protective surfaces

525252

#### PAINT AND COATING SYSTEM BASED ON WATER

- > protects wood from the outside
- > creates a film
- > creates a thick layer



#### OSMO COATING SYSTEM BASED ON OIL AND WAX

- > protects wood from the inside and from the outside
- > creates a film
- > forms a protective surface with open pores



#### **BENEFITS**

- > coating penetrates into the wood
- > revives wood
- > can be easily and partially restored
- > does not flake, crack, or peel off



- > coating is on the wood surface
- > good resistance against liquids
- > protection from abrasion
- > easy maintenance

#### BENEFITS

OF OSMO OIL AND WAX BASE

- > oil penetrates into the wood and the wax forms a protective wax surface with open pores
- > revives wood
- > can be easily and partially restored
- > does not flake, crack, or peel off
- > good resistance against liquids

#### **DISADVANTAGES** OF OIL BASE

- > poor resistance against liquids
- > demanding maintenance



Due to poor resistance against liquids an unsightly water stains can quickly develop.

#### **DISADVANTAGES** OF WATER BASE

- renovation is possible only after previous sanding
- > surface cannot be partially renovated
- > coat flakes, cracks and peels off



To renovate a floor the lacquered surface must be first sanded.



ONE PRODUCT ALL BENEFITS TOGETHER



Perfect finish, easy renovation, good resistance against liquids.



## Preserve your floor for generations

#### WISCH-FIX 🖌

Effective special concentrate for regular cleaning. Especially recommended for wooden floors treated with hardwax oil, but also for varnished floors and laminate, for tiles, ceramics and PVC. Its function is to add up the necessary oil to the floor, it does not cause drying of the floor. Uses: Simply add it to the water and wipe the floor wet.

#### WAX MAINTENANCE AND CLEANING PRODUCT

#### 3029 colour-free / 3087 white

Colour-free or white-transparent. Cleaning and recovery in one - special maintenance for wooden surfaces with oil or wax finish! It is especially recommended for the first cleaning and maintenance of floors that were treated with oil and wax, for furniture and other wooden surfaces. Osmo Wax maintenance and cleaning agent cleanses and regenerates at the same time; supplies the wood with natural hard waxes.

#### MAINTENANCE OIL

Maintenance or treating oil provides deep care along with a routine maintenance. This oil will revive dingy and dull floors. Using this product will prevent sanding and subsequent renovation coating.





#### INTENSIVE CLEANER

Highly effective slightly alkaline special cleaner for the removal of dirt in the indoor and outdoor areas. Ideal for intensive cleaning of oil and wax wooden surfaces before treating with OSMO coatings.



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#### WAX MAINTENANCE AND CLEANING PRODUCT IN SPRAY

#### 3029 colour-free

Colour-free or white-transparent. Wax maintenance and cleaning agent in spray. Cleanses and regenerates at the same time; supplies the wood with natural hard waxes.

#### HARDWAX OIL

To preserve the characteristics of your floor for years to come it is necessary to treat the worn out surfaces with one of Osmo hardwax oils. After a thorough cleaning apply very thin layer of hardwax oil. Recovery can be performed even locally, e.g., the main paths of walk, or places under tables and chairs





Request a leaflet Care and cleaning of Osmo oiled and waxed surfaces

These are the basic maintenance tools that will help you to keep the look of your floor in perfect condition for a long time

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#### FLOOR MAINTENANCE SET

Set suitable for all cases - complete equipment for cleaning and maintenance of floors treated with hardwax oil

- > Cleaning, maintenance, and recovery in one set
- > 1 litre of Wisch-Fix-concentrate for cleaning and maintenance
- > 0.4 litre of wax maintenance and cleaning agent
- > 3 application cloths and maintenance instructions



AU-MEX s.r.o. Poděbradská 574/40

190 00 Prague 9 – Vysočany, Tel.: +420 283 933 452, www.au-mex.com



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