



QUALITY SPECIFICATIONS

General Characteristics of Solidfloor™ engineered flooring

General features:

This document specifies engineered wooden flooring manufactured from natural materials, suitable for indoor use as floorcovering under the required (normal dry) climatic conditions. Wooden flooring in this document is considered as 'a laminated construction with a top layer of solid wood on a basis of additional layer(s) of wood, or wood-based materials, glued together'.

The cross laminated construction minimizes the possibility of the wood to move (shrink or swell) under changing climatic conditions. Suitable for use in normal interior (RH) humidity Levels. The flooring is suitable for installation by means of the following methods:

- Floating
- Glued down
- Stapled down

General grading:

Specific rules for Classification and Grading are given in below table. In general, all used timber for wood flooring must be sound and free from mould, decay or rot. There will be variations from panel to panel, but the total impression of the installed floor shall show a homogeneous character of each classification. Please note that no two floors (or even panels) are the same! The floors pictured or sampled are an example of the look that may be expected from each classification or grade, and in no way are intended to provide an exact look of the installed floor.

Oil and lacquer finishing of wood surfaces

Solidfloor engineered flooring have been prefinished with industrial oil or lacquer.

For most floors the oils used are based on a combination of vegetable oil components, isoparaffin solvent and unleaded drying agents, especially developed for production of hardwearing wooden floors. It means that the wood is impregnated with oil as deep inside the grain as possible, without leaving a visual coating film of oil on the surface, which produces a special natural look and touch. The optical effect of gloss level will be 'silky matt'.

A part of the collection is indicated with an **O2**-icon. In these cases the floor has been oiled with an oxidative oil. For these floors it is essential to treat your floor with an extra layer of oil immediately after installation. For this, your floor must be clean and dust-free. Do not use a wood cleaner this first time. Apply only a thin layer of oil. If this is not sufficient then repeat this.

Another part of the flooring collection has a protective UV-dried oil (**HS**). These floor need no oiling immediately after installation. Cleaning with Solidfloor Woodcleaner will do. You can oil these floors when needed.

Finally some floors have a **lacquered** protective finish. These floors can be cleaned with the Solidfloor Woodcleaner. See www.solidfloor.com for the general maintenance instructions.

Glue bonding:

Glues used are all Class 1: dry interior EN 314-2.

Formaldehyde emission:

Emission class: E1 in accordance with EN 14342

Packaging and Marking

Packs shall have labels on the head of the pack, mentioning:

- Article number
- Commercial name and/or treatment steps of the relevant design
- Size of the article
- Barcode
- Content per pack (in pcs and m2)

Pallets shall have at least 2 bulk-labels, mentioning:

- Purchase order number
- Article number
- Product description
- Amount of packs on the pallet
- Each pack can have a maximum of 30% in split lengths with a minimum of 60 cm long.

Under floor heating and cooling

Installing a floor in combination with under floor heating and cooling can be easily achieved and will ensure your home is as comfortable as possible. When installing a wooden floor in combination with under floor heating and cooling you must, however, follow the specific guidelines for installation.

Humidity

Wood is a natural product and reacts to the conditions of the room in which it is installed. Shrinkage or cracking can occur when the humidity is too low. The best condition for a wooden floor is a relative air humidity of between 40% and 65%. Shrinkage may occur when the relative air humidity is lower making the use of a humidifier a requirement. Despite these measures, there is a small chance that gaps, cracks or checks may occur when under floor heating is used especially in the winter, or when the relative air humidity is low.

CE marking

All produced engineered flooring complies with the requirements of EN14342:2005+A1:2008. This is evidenced by the fact that each pack is marked with the CE logo confirming conformity to the norm.



| Wood species: | | Oak / Quercus spp | | |
|---|---|---|--|--|
| | Nature grade | Rustic grade | Extra Rustic grade | |
| | Mill Run | | | |
| Description face appearance | Wood with some very small knots and slight variations in colour and texture. | Wood with knots, natural colour and texture variation. | Wood with knots. Exciting variations in colour and texture in harmony. | |
| Sound sapwood, included sapwood | Permitted up to 15% of the surface if well stained and colour match with the surrounding wood. | Permitted up to 40% of the surface if well stained and colour match with the surrounding wood. | Permitted up to 40% of the surface if well stained and colour match with the surrounding wood. | |
| *Sapwood shall always be stained colour matched with the surrounding area. | | | | |
| Knots | | | | |
| a. Sound knots | Permitted if diameter ≤15mm if not grouped together. | Permitted if diameter ≤80mm | No limitations | |
| b. Unsound knots | Permitted if diameter ≤15mm if not grouped together. | Permitted if diameter ≤40mm | No limitations | |
| c. Knot holes | Not permitted. | Permitted if diameter ≤30mm | Permitted if diameter ≤30mm | |
| Splits or stars in knots and knot holes shall be properly filled! | | | | |
| Checks or split | Not permitted. | Permitted if properly filled and colour match with the surrounding wood surface. The width ≤2mm. The length ≤ width of the element. End splits not permitted. | Permitted if properly filled and colour match with the surrounding wood surface. The width 15mm maximum. The length <50% of the plank. End splits permitted. | |
| Biological attack | Not permitted. | Not permitted. | Not permitted. Pinholes permitted if they are occasional, scattered and well puttied without discoloration. | |
| Black / brown streaks | Not permitted. | Permitted if the length is not longer than the panel's width. | Permitted, no limit. | |
| Brown heart | Not permitted. | Permitted, no limit. | Permitted, no limit. | |
| Medullary ray | Permitted, no limit. | Permitted, no limit. | Permitted, no limit. | |
| Slope of grain | Permitted, no limit. | Permitted, no limit. | Permitted, no limit. | |
| Bark pockets | Not permitted. | Not permitted. | Permitted, must be firm. | |
| Telegraphing (core) | Not permitted. | Not permitted. | Not permitted. | |
| Other defects which are not indicated | Not permitted unless they resemble a defect already defined in which case they shall be considered under that defect. | | | |
| *To allow for unavoidable classification differences, 3% of the panels in a batch may be from other classes at maximum! | | | | |



Very Important: Hand scraped and brushed floors cannot be re-sanded since it will change the appearance of the product.

Wood is a natural product. Therefore you may see variations in colour and structure from board to board. The images in this document are only indicative of the appearance you can achieve.

EXPLANATION OF ICONS IN PRODUCT PASSPORT

| | | | | | |
|--|---|--|---|--|--|
| | Dikte Thickness Stärke Épaisseur | | Klikverbinding Click connection Klick Verbindung Clicksable | | Naturel gelakt Natural lacquer Natur lackiert Vernis naturel |
| | Dikte Thickness Stärke Épaisseur | | Gerookt Smoked Geraüchert Fumé | | Thermisch behandeld Thermo treated Thermobehandelt Traitement thermique |
| | Dikte Thickness Stärke Épaisseur | | Geborsteld Brushed Gebürstet Brossé | | Geschikt voor vloerverwarming Suitable for (under)floor heating Geeignet für Fußbodenheizung Adapté pour chauffage au sol |
| | Gradatie Grading Sortierung Gradation | | Diep geborsteld Deep brushed Tief gebürstet Brossé profond | | Geschikt voor vloerkoeling Suitable for (under)floor cooling Geeignet für Fußbodenkühlung Adapté pour sol rafraichissant |
| | Gradatie Grading Sortierung Gradation | | Handgeschraapt Handscraped Hand gehobelt Raboté a la main | | Brandklasse CfS1 Fire class CfS1 Brandklasse CfS1 Classe du feu CfS1 |
| | Gradatie Grading Sortierung Gradation | | Verouderd Distressed Gealtert Vielli | | Brandklasse DfS1 Fire class DfS1 Brandklasse DfS1 Classe du feu DfS1 |
| | Gradatie Grading Sortierung Gradation | | Kant verouderd Edge distressed Kant gealtert Chanfrein vieilli | | Legpatron 1:x Pattern 1:x Verlegemuster 1:x Forme de pose 1:x |
| | Velling Bevel Fase Chanfrein | | Fijnbezaagd Fine sawn Feinsägeschnitt Scié | | Legpatron 1:2 Pattern 1:2 Verlegemuster 1:2 Forme de pose 1:2 |
| | Oxidatief geölied Oxidative oil Oxidatief geölt Huilé oxydé | | Uitgeboende noesten Scrubed knots Ausgebürstete Äste Raboté | | Legpatron 1:3 Pattern 1:3 Verlegemuster 1:3 Forme de pose 1:3 |
| | High Solid High Solid High Solid High Solid | | White washed White washed Weiß gekälkt Cérusé blanc | | Legpatron 1:4 Pattern 1:4 Verlegemuster 1:4 Forme de pose 1:4 |
| | Wit geölied White oil Weiß geölt Huilé blanc | | Black washed Black washed Schwarz gekälkt Cérusé Noir | | Legpatron visgraat Pattern herringbone Verlegemuster Fischgrat Forme de pose bâton rompu |
| | Naturel geölied Natural oil Natur geölt Huilé naturel | | Gekleurd Coloured Gefärbt Coloré | | Verlijmd installeren Glued installation Nur vollflächige Verklebung Pose collée obligatoire |
| | Unfinished look Unfinished look Unsichtbare Äl Huile invisible | | Reactive stain Reactive stain Reaktive Beitz Huile réactive | | PEFC gecertificeerd PEFC certified PEFC zertifiziert Certifié PEFC |
| | Tong & Groef verbinding Tongue & Groove connection Nut & Ferder verbinding Rainure & Languette | | Wit gelakt White lacquer Weiß lackiert Vernis blanc | | FSC gecertificeerd FSC certified FSC zertifiziert Certifié FSC |



Vintage K2

15/4, 1900x190mm, Oak



PRODUCT MEASUREMENTS

| | |
|-------------------------|-----------------------|
| Pieces per pack: | 4 pieces |
| M ² per pack | 1,444m ² |
| Weight per pack: | 19kg |
| Split lengths per pack: | 25% minimal 60cm long |

SIZE TOLERANCES ACC EN 13489

| | |
|-----------------------------|---|
| Length: | ± 0,2% |
| Width: | ± 0,2mm |
| Thickness: | Total: 20mm ± 0,2mm Facelayer: 5,5-6,0mm |
| Lipping (between elements): | ≤0,2mm |
| Squareness: | ≤0,2% over the width |
| Cup: | ≤0,2% over the width |
| Spring: | ≤0,1% over the length |
| Bowing: | <1% of the length |

OTHER SPECIFICATIONS

| | |
|---------------------------|---------------------------|
| Formaldehyde emission: | E1 |
| Thermal insulation value: | R=0,123m ² k/w |
| Brinell hardness: | average HB 3.7 |
| Connection: | T&G |

ADDITIONAL SPECIFICATIONS

Bevel: Rounded
 Construction: 3-ply
 Cracks: width <5mm; length 25% of the plank

INSTRUCTIONS AND MAINTENANCE

UV oil; Oiling after installation not necessary
 Maintenance:
 Solidfloor™ Ultimate Hardwax White &
 Solidfloor™ Woodcleaner
 Suitable for floor heating & cooling
 (see www.solidfloor.com)