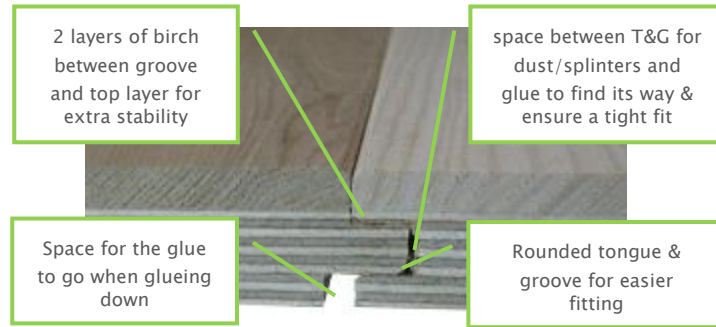


PRODUCT DECLARATION

European oak engineered flooring

1 TECHNICAL PRODUCT DESCRIPTION

Product name	: European oak engineered flooring
Total thickness	: 13, 16 or 21 mm
Wood specie wear layer	: European oak (<i>Quercus petraea</i>)
Thickness wear layer	: 3, 4 or 6 mm
Base material	: Russian birch crosslayer exterior plywood (WBP glued)
Thickness base material	: 9, 12 or 15 mm
Moisture content	: 9 +/- 1%
Standard widths	: 180, 200, 220, 260 and 300 mm
Standard lengths	: min 75% long (2000/2200/2400 mm) : max 25% short (1000/1100/1200 mm)
Tongue and groove	: tongued and grooved on four sides
Surface	: all open defects filled with white putty and sanded
Janka hardness	: 6280 N
Reaction to fire	: 13 and 16 mm: Dfl-s1, 21 mm Cfl-s1
Product weight	: app. 8.5, 10.5 and 13 kg/m ²



Grade description

180–220 mm

- Select: acceptable sound pin knots up to 1 cm without colour change of the board.
- Nature: sound knots max. 2,5 cm, knotholes max. 1,5 cm, slight colour changes allowed, no cracks allowed, no sapwood.
- Rustic: sound knots max. 5 cm, knotholes max. 3 cm, no heart, no sapwood, changes in colour allowed, (end) cracks allowed with a maximum length of 20 cm and max 0,5 cm wide, ingrown bark allowed with a length up to max 6 cm (cleaned and filled), no (discoloration due to) brown rot, no insect damage, no worm(holes), no rouge.
- Robust: sound knots max 9 cm, knotholes max. 4 cm, heartwood allowed, cracks allowed until a length of 80 cm and max 0,5 cm wide, colour variations allowed, no (discoloration due to) brown rot, no sapwood, no insect damage, no worm(holes).

260–300 mm

- Select: acceptable sound pin knots up to 1 cm without colour change of the board.
- Nature: sound knots max. 3 cm, knotholes max. 2 cm, slight colour changes allowed, minor cracks up to 10 cm allowed, no end cracks, no sapwood.
- Rustic: sound knots max. 6 cm, knotholes max. 4 cm, minor traces of heart allowed (up to 30 cm), no sapwood, changes in colour allowed, (end) cracks allowed with a maximum length of 30 cm and max 0,5 cm wide, ingrown bark allowed with a length up to max 6 cm (cleaned and filled), no (discoloration due to) brown rot, no insect damage, no worm(holes), no rouge.
- Robust: sound knots max 9 cm, knotholes max. 5 cm, heartwood allowed, cracks allowed until a length of 80 cm and max 0,5 cm wide, colour variations allowed, no (discoloration due to) brown rot, no sapwood, no insect damage, no worm(holes).

SELECT



NATURE



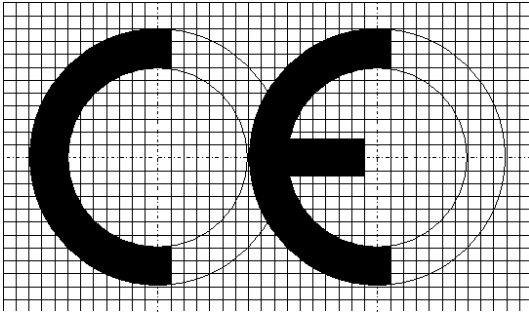
RUSTIC



RUSTIC/ROBUST



2 CE-CONFORMITY



UAB NEDlit International CE conformity to EN 13489,
“Wood flooring – Multi-layer parquet elements”

Dimensional characteristics and limit deviations:

Permitted deviation of width:	±0,2 mm
Lipping* (between elements):	≤0,2 mm
Squareness deviation:	≤0,2 mm over the width
Cupping:	0,2% over the width
Spring:	≤0,1% of the length

UAB NEDlit International 10	
EN 14342:2005+A1 Two-layer, single strip oak parquet flooring with tongue and groove, not pre-finished	
Reaction to fire, linked with: a minimum mean density of: a minimum overall thickness of: a minimum thickness of the ash top layer of at least:	C _{fl-s1} 650 kg/m ³ 14 mm 5 mm
Reaction to fire of all other oak engineered flooring	D _{fl-s1}
Emission of (release) formaldehyde	E1
Emission of pentachlorophenol	< 5 ppm
Breaking strength	NPD*
Slipperiness	NPD*
Thermal conductivity	0,17 W/mK
Biological durability	Class 1

*NPD = No performance conducted (yet)

BOWING

A certain amount of bowing is common and is to be expected in any wood flooring board. Bowing to a degree, is not considered a defect in any wood component, and does not indicate a faulty product nor does it affect the ‘quality’ of the finished floor. In general, WOODlife tolerates (both positive and negative) a bow of max 1 cm per running meter of flooring, being the distance between the board and the subfloor. This to be measured in the middle of the board when placed flat on the ground.

3 PRODUCTION & ENVIRONMENT

3A BASE MATERIAL

The birch crosslayer exterior plywood is produced according to EN 13986 and ISO 9001.

The gluing durability is indicated according to DIN 68705 part 3 BFU 100.

The birch plywood complies to formaldehyde-emission grade E1.

3B THE ENGINEERED FLOORBOARD

The floorboards are produced according to EN 13489.

The European oak used is harvested from controlled European forests throughout Poland, the Baltic’s and the Ukraine, largely from FSC®- certified forests.

The floorboards are cold pressed, using an adhesive, called an EPI-system, provided by Dynea, Norway: Prefere 6170 with hardener Prefere 6670. The adhesive system is 100% formaldehyde-free.

3C FINISHING

The flooring is finished using VOC-free Hardwax oils, or water based lacquers.

Optionally all our floorboards can be treated with a fire retarding system provided by Rubio Monocoat; the Flamaway system. Nedlit is one of the few European holders of a **Bfl-s1** grading in engineered oak flooring according to the European fire classes (Euroclasses), which are described in norm EN-13501-1.

3D GREEN BUILDING

WOODlife's multiplanks are BREAAAM approved. The approval implies that the products have passed tests for all major European regulations on the presence of VOC's and Formaldehyde in wooden flooring. WOODlife does not waste any wood. Leftovers are used to produce skirting and home decorations. The remainder as well as all our saw dust is used as fuel wood to heat the entire factory including drying kilns.

Our flooring does not contain any solvents, isocyanides, formaldehyde, Creosote, Arsenic or Chrome.

Of course we can also supply our flooring FSC®-certified. A copy of our FSC-certificate and our European fire rating certificate can be downloaded on our website.

FSC License code: FSC-C015106
CoC Certificate Registration Code: SW-COC-003761



We would be happy to send you the technical data sheets of the birch plywood, the EPI-system, the Flamaway System and the BREAAAM test reports upon request.



4 INSTALLATION & MAINTENANCE

4.1 INSTALLATION

- We recommend to take app 5–6% saw waste for regular flooring and 10% for patten flooring into account when calculating the amount needed.
- Storage in the room at least 72 hours before installation. Packs are to be kept closed.
- During installation, humidity should be between 35% and 65%, temperature between 18 ° to 24 ° Celsius.
- Installation method: glue down, screw down or floating installation.
- Always take local installation standards into account.
- Boards up to max 300 mm wide are suitable for under floor heating.
- The Hardwax oil on prefinished flooring needs app 2 weeks until it is fully hardened. Do not place any rugs, remove any spilled liquids immediately and only dry clean your floor during this period (liquids may cause stains).

Also see the following documentation:
WOODlife Flooring – installation guidelines.
WOODlife Flooring – underfloor heating.

4.2 MAINTENANCE & CARE

After installation, relative humidity levels in the rooms should be kept between 30% and 70% at all times. Please be aware to place humidifiers/vaporizers during the winter time if needed. Ventilate the spaces on a regular bases. Our floors require regular maintenance; frequency strongly depends on type of use. A rough guideline:

Daily cleaning	Periodic cleaning	Maintenance at regular use	Maintenance at intensive use
Dry cleaning	WOODlife Parquet Cleaner	WOODlife Maintenance Oil 1 to 2 times per year	WOODlife Maintenance Oil 3 to 4 times per year

Also see the following documentation: *WOODlife Flooring – maintenance hardwax oiled floors.*

With kind regards,



Stefan Verhagen
Product Development & Sales



Thomas van Lieshout
Production, Purchase & People