

SOLID FLOORING
STAIRS
ARCHITRAVES
TECHNICAL FOLDER

creating with love



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1. GENERAL

HEADQUARTERS

AU-MEX Ltd.
Podebradska 574/40
19000 Prague Czech
Republic

SOLID HARDWOOD FLOORING TYPE
OF WOOD: OAK

Wooden specie origin	Czech Republic
Product ecological certification	FSC
Density (in Kg/m ³ - +/- 50Kg/m ³)	780

The planks are made as one board with 4 bevels. Each board has a tongue and groove on all four sides.

Dimensions:

20x140/160/180/200x500-2000 mm
15x140x500-2000 mm
15/20x130x500-1200 mm
15/20x130x500 mm L+D
15/20x130x370 mm L+D Chevron 45°
15/20x130x425 mm L+D Chevron 30°

Surface finish: sanded (grit 150)
brushed (light or normal) oiled
(minimum 2 layers)

Layer number:	Product name	Product supplier	Wax
min. 2	Osmo oil	Osmo, Germany	yes




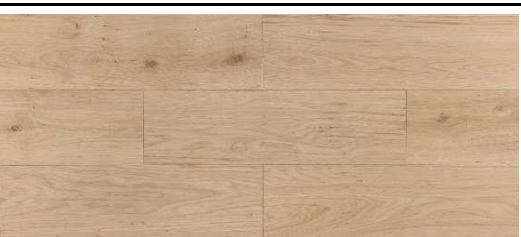
Wood filler	Colour	Product supplier
Wood filler	Oak-Walnut	Woca, Denmark

2. STANDARD OAK SOLID FLOORING

EN 13629:2003 Wood flooring - Solid pre-assembled hardwood board

	GRADE	○	△	□	□	
		RA	RB	RC	RM	
	Features	Face of the element				
1.	Sound sapwood	Not permitted	Not permitted on face	up to 30% of the width	All features permitted (including pinholes) without limit to size or quantity if these do not impair the strength or the wearing quality of the wood flooring.	
2.	Knots:					
	sound and intergrown	diameter ≤ 10 mm	diameter ≤ 35 mm	diameter ≤ 80 mm		
	unsound	diameter ≤ 5 mm	diameter ≤ 25 mm	diameter ≤ 50 mm		
3.	Checks	Not permitted	50 mm in length per strip	50 mm in length per strip		
4.	Bark pockets	Not permitted	Not permitted	Permitted		
5.	Lightning shake	Not permitted	Permitted	Permitted		
6.	Slope of grain	Permitted, no limit	Permitted, no limit	Permitted, no limit		
7.	Colour variation	Permitted mild	Permitted	Permitted		
8.	Medullary ray	Permitted	Permitted	Permitted		
9.	Biodeterioration	Not permitted	Not permitted	Not permitted	Not permitted except blue stain and black holes	
Non-visible parts						
All features permitted without limit to size or quantity if these do not impair the strength or the wearing quality of the wood flooring.						
Cracks in knots and knot holes shall be filled (repaired by sealing with filler).						

3. GRADE PICTURES

OAK	
RA	 A photograph of oak wood planks for grade RA. The planks are light tan with a subtle, consistent grain pattern and very few knots or imperfections.
RB	 A photograph of oak wood planks for grade RB. The planks are light tan with a consistent grain pattern and a few small, dark knots.
RC	 A photograph of oak wood planks for grade RC. The planks are light tan with a consistent grain pattern and several prominent, dark knots.
RM	 A photograph of oak wood planks for grade RM. The planks are light tan with a consistent grain pattern and several prominent, dark knots.

4. SURFACE FINISHES

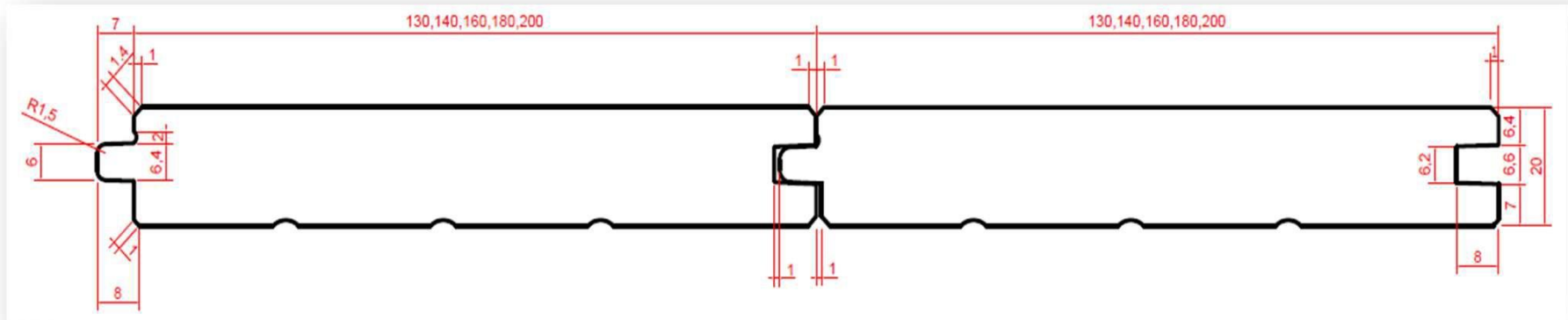
	SURFACE FINISHES	NAME
	OAK	
	Woca collection	
COLLECTION 1	Casual	
11/1	oiled	Casual Neutral
11/2	oiled	Casual Natur
11/3	oiled	Casual Snow White
11/4	oiled	Casual White
11/5	oiled	Casual Gold
11/6	oiled	Casual Walnut
11/7	oiled	Casual Light Grey
11/8	oiled	Casual Grey
11/9	oiled	Casual Brown
11/10	oiled	Casual Black
COLLECTION 2	Tender Touch	
12/1	light brushed + oiled	Tender Natur
12/2	light brushed + oiled	Tender Neutral
12/3	light brushed + oiled	Tender Snow White
12/4	light brushed + oiled	Tender White
12/5	light brushed + oiled	Tender Gold
12/6	light brushed + oiled	Tender Grey
12/7	light brushed + oiled	Tender Brown
COLLECTION 3	Rich Character	
13/1	brushed + oiled	Rich Natur
13/2	brushed + oiled	Rich Snow White
13/3	brushed + oiled	Rich White
13/4	brushed + oiled	Rich Creme
13/5	brushed + oiled	Rich Gold
13/6	brushed + oiled	Rich Light Grey
13/7	brushed + oiled	Rich Light Brown
13/8	brushed + oiled	Rich Brown
COLLECTION 4	Delight	
21/1	lye + oiled	Delight Antique
22/1	brushed + lye + oiled	Delight Chocolate Brown
22/2	brushed + lye + oiled	Delight Adriatica
BRUSHING		
	light brushed	Tender
	brushed	Rich
	Osmo hardwax collection	
COLLECTION 5	Classic	
45/1	oiled	Classic Natur
45/2	oiled	Classic Snow White
45/3	oiled	Classic White
45/4	oiled	Classic Honey
45/5	oiled	Classic Nude
45/6	oiled	Classic Greige
45/7	oiled	Classic Neutral
COLLECTION 6	Soft	
46/1	light brushed + oiled	Soft Natur
46/2	light brushed + oiled	Soft Ebony
46/3	light brushed + oiled	Soft Grey
COLLECTION 7	Deep	
47/1	brushed + oiled	Deep Natur
47/2	brushed + oiled	Deep Silk
47/3	brushed + oiled	Deep Snow White
47/4	brushed + oiled	Deep Onyx-Silver
47/5	brushed + oiled	Deep Graphite
47/6	brushed + oiled	Deep Grey

5. Installation ways

PARALELL	HERRINGBONE
	
CHEVRON 45°	CHEVRON 30°
	

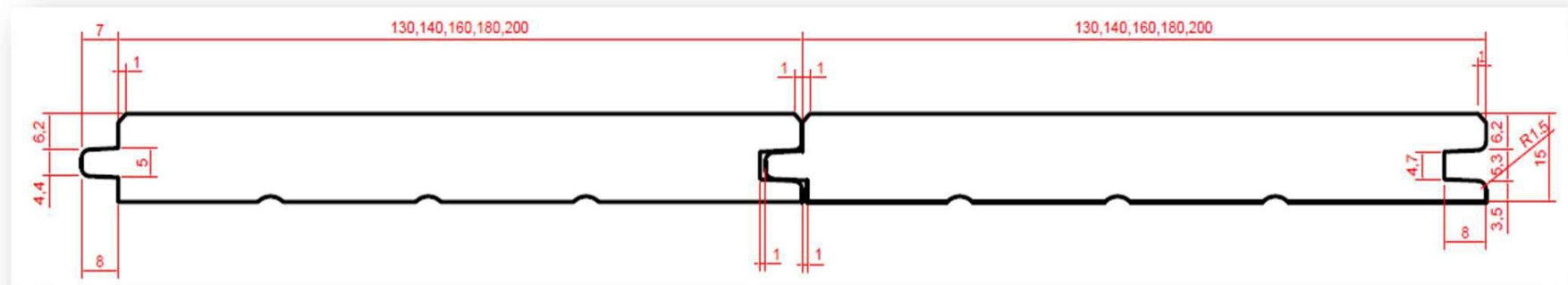
6. PROFILE 20 mm

20 mm THICKNESS with bevels

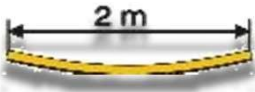





PROFILE 15 mm

15 mm THICKNESS with bevels



7. TOLERANCES

Spring		max 0,5 ‰ on <1m; max 1 ‰ on 1-2 m
Difference in height		max. 0,3 mm
Cup		max. 0,5% of the width
Squareness		max. 0,2% of the width
Tolerances in dimensions	thickness	$\pm 0,2$ mm
	width	$\pm 0,2$ mm
	length	$\pm 1,0$ mm
Moisture	whole plank	9 (± 2)%

Tolerances	
Depth of the groove	$+ 0,3 / -0$ mm
Width of the tongue	$+ 0 / -0,4$ mm
Width of the groove (t_2) Thickness of the tongue (t_3)	$0,1 \leq t_2 - t_3 \leq 0,4$ mm

8. PALLET PACKAGING



Weight (kg/m ²)	
15 mm Thickness	10,50
20 mm Thickness	14,50

Packaging			
A		B	
Kind	Cardboard frame	Kind	Shrink wrap
Material	Cardboard frame	Material	Plastic
Thickness (mm)	1,65	Thickness (mm)	0,08
Density (g/m ²)	390	Density (g/m ²)	
Weight (kg) approx	0,3 kg/pc	Weight (kg) approx	

10. Package detail

System package				
Thickness (mm)	Width (mm)	Lenght (mm)	Layers	
20	140/ 160/ 180/ 200	500 - 2000	5	min 2x2000 mm, other: 500 mm+1500 mm, 700 mm+1300 mm, 1000 mm+1000 mm
15	140	500 - 2000	7	min. 2x2000 mm, other: 5x500-1500 mm (example: 500+1500 mm,600+1400 mm, 700+1300 mm,800+1200mm,1000+1000mm)
20	130	500 - 1200	5	min 2 x 1200 mm, other: 500 mm+700 mm
15	130	500 - 1200	8	min 2 x 1200 mm, other: 500 mm+700 mm
Herringbone				
Thickness (mm)	Width (mm)	Lenght (mm)	Layers	
15	130	500	8	4 x 500 mm right + 4 x 500 mm left
20			6	3 x 500 mm right + 3 x 500 mm left
Chevron				
15	130	370/425	8	4 x 370/425 mm right + 4 x 370/425 mm left
20			6	3 x 370/425 mm right + 3 x 370/425 mm left

11. Quantity and packaging per truck/container

DIMENSION (mm)	No of planks/ package	Quantity m2/package	No of package/pallet			Quantity of pallet m2	Weight of pallets	Pallets/ truck	Packages/truck	m2/truck
			H	V						
20' CONTAINER										
20x130x500	3L+3D	0,390	13	7	91	35,49	515	22	2002	780,78
20x130x370	3L+3D	0,289	13	7	91	26,30	381	22	2002	578,58
20x130x425	3L+3D	0,332	13	7	91	30,17	437	22	2002	663,66
20x130x1200/S	5	0,780	6	8	48	37,44	543	22	1056	823,68
20x140x2000/S	5	1,400	7	9	63	88,20	1279	10	630	882,00
20x160x2000/S	5	1,600	6	9	54	86,40	1253	10	540	864,00
20x180x2000/S	5	1,800	5	9	45	81,00	1175	10	450	810,00
20x200x2000/S	5	2,000	5	9	45	90,00	1305	10	450	900,00
15x130x500	4L+4D	0,520	13	7	91	47,32	497	22	2002	1.041,04
15x130x370	4L+4D	0,385	13	7	91	35,02	368	22	2002	770,37
15x130x425	4L+4D	0,442	13	7	91	40,22	422	22	2002	884,88
15x130x1200/S	8	1,248	6	7	42	52,42	550	22	924	1.153,15
15x140x2000/S										
40' CONTAINER										
20x130x500	3L+3D	0,390	13	7	91	35,49	515	45	4095	1.597,05
20x130x370	3L+3D	0,289	13	7	91	26,30	381	45	4095	1.183,46
20x130x425	3L+3D	0,332	13	7	91	30,17	437	45	4095	1.357,49
20x130x1200/S	5	0,780	6	8	48	37,44	543	43	2064	1.609,92
20x140x2000/S	5	1,400	7	9	63	88,20	1279	18	1134	1.587,60
20x160x2000/S	5	1,600	6	9	54	86,40	1253	19	1026	1.641,60
20x180x2000/S	5	1,800	5	9	45	81,00	1175	20	900	1.620,00
20x200x2000/S	5	2,000	5	9	45	90,00	1305	18	810	1.620,00
15x130x500	4L+4D	0,520	13	7	91	47,32	497	46	4186	2.176,72
15x130x370	4L+4D	0,385	13	7	91	35,04	368	46	4186	1.611,61
15x130x425	4L+4D	0,442	13	7	91	40,22	422	46	4186	1.850,21
15x130x1200/S	8	1,248	6	7	42	52,42	550	42	1764	2.201,47
15x140x2000/S										
TRUCK 13,6 m										
20x130x500	3L+3D	0,390	18	8	144	56,16	814	29	4176	1.628,64
20x130x370	3L+3D	0,289	18	8	144	41,62	603	39	5616	1.623,02
20x130x425	3L+3D	0,332	18	8	144	47,74	692	34	4896	1.623,02
20x130x1200/S	5	0,780	8	9	72	56,16	814	29	2088	1.628,64
20x140x2000/S	5	1,400	7	10	70	98,00	1.421	17	1190	1.666,00
20x160x2000/S	5	1,600	6	10	60	96,00	1.392	17	1020	1.632,00
20x180x2000/S	5	1,800	5	10	50	90,00	1.305	18	900	1.620,00
20x200x2000/S	5	2,000	5	10	50	100,00	1.450	16	800	1.600,00
15x130x500	4L+4D	0,520	18	8	144	74,88	786	30	4320	2.246,40
15x130x370	4L+4D	0,385	18	8	144	55,44	582	41	5904	2.273,04
15x130x425	4L+4D	0,442	18	8	144	63,65	668	35	5040	2.227,68
15x130x1200/S	8	1,248	8	9	72	89,86	943	25	1800	2.246,50
15x140x2000/S	7	1,960	7	9	63	123,48	1.297	18	1134	2.222,64

WEIGHT (kg/m2)	
Thickness 15 mm	10,5
Thickness 20 mm	14,5

DIMENSION OF PALLETS FOR A TRUCK:	
LENGHTxWIDTHxHEIGHT	
dim 15/20x140/160/180/200x2000/S mm	200x100x120 cm
dim 15/20x130x500,700,1200 mm	120x120x120 cm
DIMENSION OF PALLETS FOR A CONTAINER:	
LENGHTxWIDTHxHEIGHT	
dim 20x140/160/180/200x2000/S mm	200x100x105 cm
dim 15/20x130x500,700,1200 mm	120x80x105 cm
dim 15/20x130x500/370/425 mm	120x80x105 cm

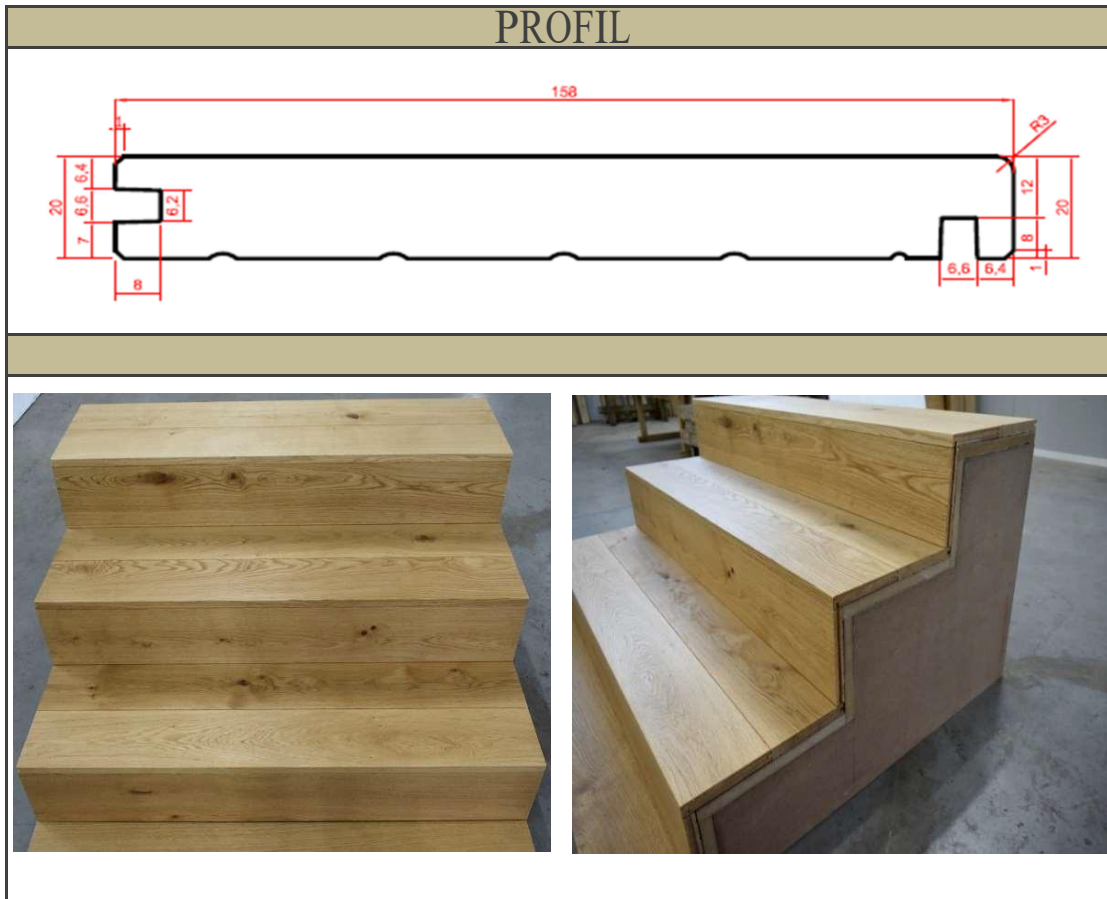
12. SOLID STAIR ELEMENTS

TYPE OF WOOD:OAK

DIMENSION:

20x160x1290 mm

The stair elements are produced as a plank with 4 bevels. Every plank has a tongue and groove.



Description of packaging

Quantity		Layers
1 Pallet	315 Pieces	7 x 45
Weight		
1 Piece	3,00 kg	
1 Pallet	1000 kg	
Dimension of pallet		
1 Pallet	130x120x120 cm	

Grades: RA, RB, RC, RM

Grade description: the same as the flooring description

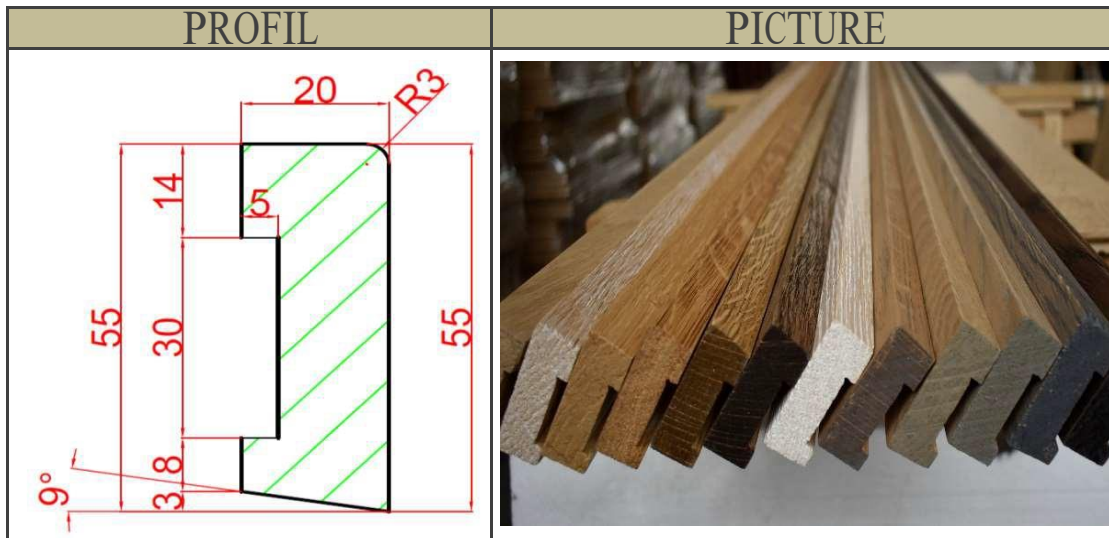
All surface finishes are applicable.

13. SOLID ARCHITRAVES

TYPE OF WOOD: OAK

DIMENSION:

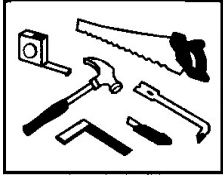
20 x 55 x 1000-2500 mm



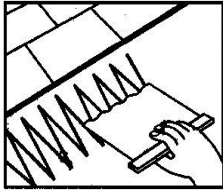
Description of packaging		
	Quantity	Layers
1 Package	20,00 m ²	2 x 2500 mm, 4 x 2200 mm, 2 x 1500 mm, 1 x 1200 mm, 2 x 1000 mm
1 Pallet	1800 m ² /90 packages	5 x 18
	Weight	
1 Package	13,00 kg	
1 Pallet	1250 kg	
	Dimension of pallet	
1 Pallet	255x100x120 cm	

Grade description: sound knots max 5 mm, all textures and medullary rays allowed.
All surface finishes are applicable.

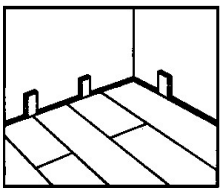
15. INSTALLATION AND MAINTANANCE



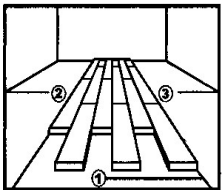
1. Tools



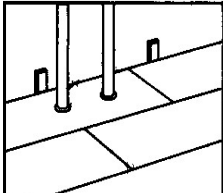
2. Adhesive application over the entire surface



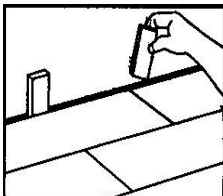
3. Edge gaps



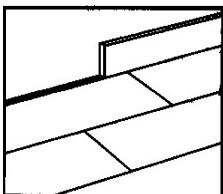
4. Parallel installation



5. Cut at the pipe level.



6. Remove the wedges after installation.



7. The mouldings fill the freed gaps.

INSTALLATION AND MAINTENANCE MANUAL

STORAGE

After purchasing, solid flooring should be stored in a closed and dry place with a temperature between 15-25 ° C. Before installation, you should store solid flooring min 48 hours at room temperature (18-20 ° C) with a 50-60% humidity. Humidity in the elements of solid flooring should be 9% (± 2%). It is advisable to harmonize the shades in the room. Before the installation of solid flooring, all finishing works must be completed and the walls completely dry. After the installation of solid flooring, Spáčva no longer accepts claims.

METHODS

Glued down - the screed must be firm and flat, free of cracks and clean. The maximum humidity of the screed must not exceed 2%. You should use two-component adhesives that are not water-based or even better polyurethane elastic adhesive with mandatory compliance with the Manufacturer's adhesive instructions. Due to the dimensions, you need to use mounting straps (clamps) which keep the diaphragms paired until the adhesive has clamped the diaphragms, because it is not possible to nail flooring into the screed.

Nailed down - first lay steam resistant floor plywood or OSB boards with minimum thickness 18 mm on adry screed and in accordance with the manufacturer's instructions of the materials used. The boards are nailed into the tongue at an angle of 45 °. A two-component adhesive is also recommended because the nails fasten the boards until the glue hardens. This method allows a very fast installation of solid flooring.

Solid flooring must be carefully installed, therefore it is advisable that it is done by a professional and qualified flooring installer.

Since wood is a natural material with naturally occurring differences in colour, it is advisable, before the installation, to open several packages, mix the boards and match the colours in the room.

BEFORE THE INSTALLATION

Make sure the room is dry and closed and windows glazed. The temperature should be between 18 and 20 ° C and the relative humidity between 50% and 60%.

AFTER THE INSTALLATION

After the installation, leave the solid flooring 7 to 10 days to "cool down" and adjust to the room. Preserve the temperature and relative air humidity. Solid flooring is maintained with a dry or a damp cloth and by using appropriate cleaners for maintenance of wood surfaces. Properly installed and maintained solid flooring lasts a lifetime.

16. CERTIFICATES



FSC (Forest Stewardship Council) certification provides a credible link between responsible production and consumption of forest products, enabling consumers and businesses to make purchasing decisions that benefit people and the environment as well as providing ongoing business value.



CE marking on a product is a manufacturer's declaration that the product complies with the essential requirements of the relevant European health, safety and environmental protection legislation, in practice by many of the so-called Product Directives.



Real Wood label acts as a basic cornerstone in the process of differentiating real wood floors from other flooring solutions. It is a guarantee that all of the products carrying this label are 100% made out of real wood.



ISO 9001 certificate specifies requirements for a quality management system where an organization needs to demonstrate its ability to consistently provide product that meets customer and applicable statutory and regulatory requirements.