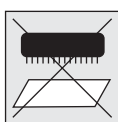
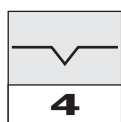
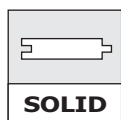


OAK EMINA

Classic Class

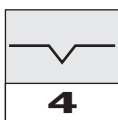
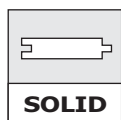
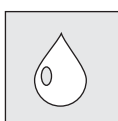
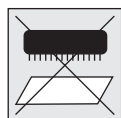
The exclusive plank finished with oil of cherry colour. The highest quality of used wood results in no knots except pins. Colouring is mellow and uniform.



OAK CLASSIC

Classic Class

The best sort of material finished with natural oil make this plank look exceptionally natural and interesting. Knots and occasionally pin knots to be found. Colouring is mellow and uniform.



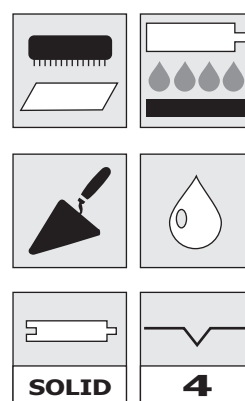
Due to technical reasons the colours in the catalogue can differ from the real ones.



OAK NATUR

Natural Class

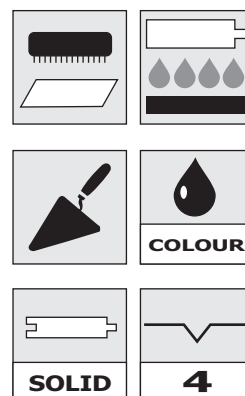
The natural oak plank finished with oil. It contains tiny sound knots, occasionally sapwood on the edge and slightly diverse colouring.



OAK PANILA

Rustic Class

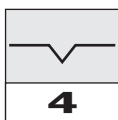
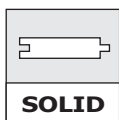
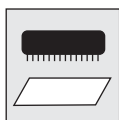
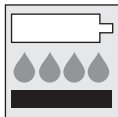
The rustic plank finished with transparent oil in the cognac style. The occurrence of big knots, sapwood, discoloration and diverse colouring characterize this class of flooring.



OAK PANUBA THERMO

Natural Class

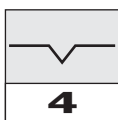
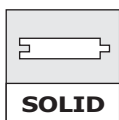
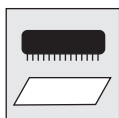
Due to the thermo process the plank looks more like wenge wood. Occasionally small sound knots may appear. The calm, dark, slightly diverse colour.



OAK AKOYA

Natural Class

The oak plank of a slightly diverse colouring due to finishing it with transparent oil in cognac style. It contains tiny sound knots and occasionally sapwood on the edge.

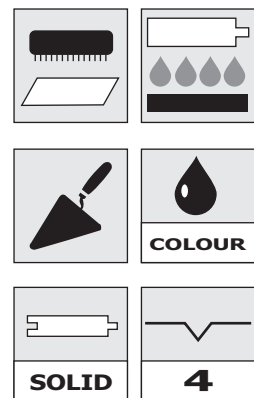




OAK ESCARCHA

Natural Class

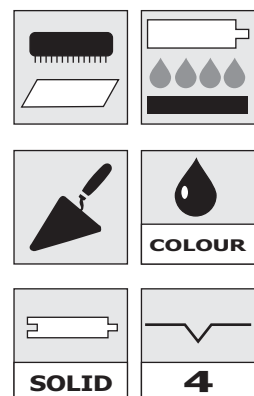
The natural oak plank finished with white transparent oil. It contains tiny sound knots, occasionally sapwood on the edge and slightly diverse colouring.



OAK SAMBA

Natural Class

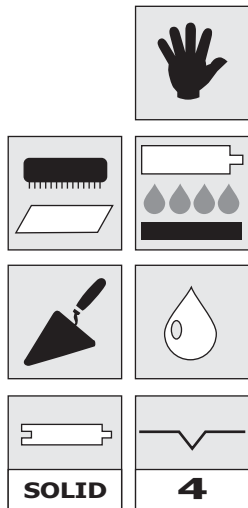
The plank finished with Mahogany transparent oil. It contains tiny sound knots, occasionally sapwood on the edge and slightly diverse colouring.



OAK RUSTIC

Rustic Class

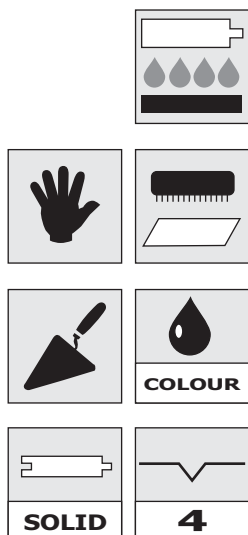
Characteristic features of oak wood such as big knots, frequent sapwood and discoloration appear. The final finishing with natural oil emphasizes beauty and naturalness of the surface.



OAK PELEA

Rustic Class

Hand finishing and treating with transparent oil gives the floorboard its antic character. This floor has big knots, discolorations and sapwood from time to time.

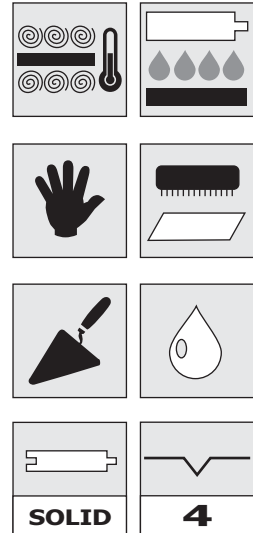




OAK HUMO THERMO

Rustic Class

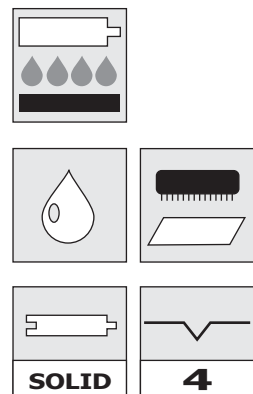
The rustic thermo oak plank in the dark tobacco colour. Big knots, irregular grain and colouring emphasize the beauty of the floor.



OAK BRISSAC

Character Class

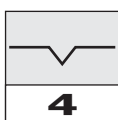
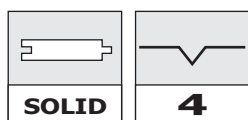
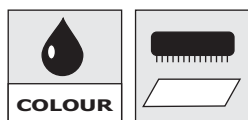
The floor fully displaying diverse quality of oak wood, finished with natural oil. We can find all the quality features of the oak wood such as big knots, heart and discoloration.



OAK SERRANT

Character Class

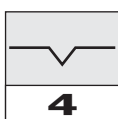
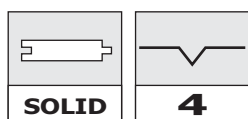
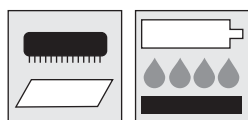
The very diversified floorboard in terms of quality, finished with black, transparent, black oil. We can find big knots, heart, inbark and other dominant features of oak wood.



OAK TALCY

Character Class

The hand made finished plank of diverse quality and cognac transparent oil. The occurrence of big knots, heart, inbark and other features of oak wood.

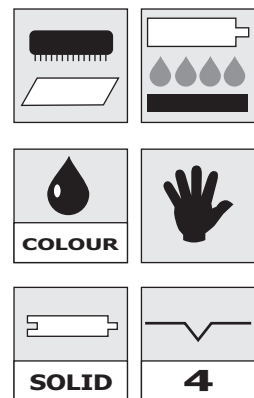




OAK SAUMUR

Character Class

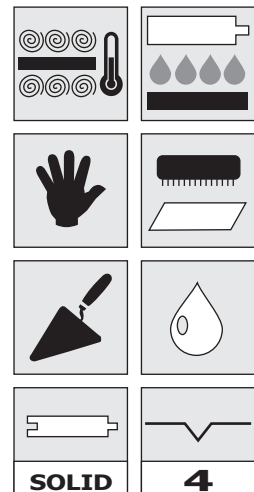
Diversified in terms of quality, hand planed and finished with natural transparent antic oil. The characteristic dominant features of oak wood such as big knots, heart and inbark appear.



OAK LAVARDIN THERMO

Rustic Class

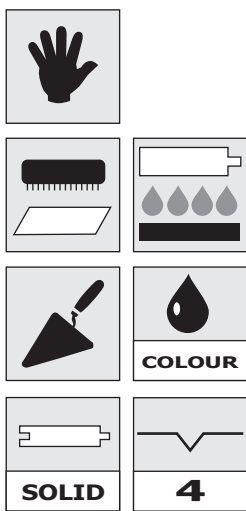
The characteristic features of oak wood such as big knots, frequent sapwood and discoloration appear. Thermo process, hand planing and final finishing with natural oil emphasize the beauty and naturalness.



OAK ANGERS

Character Class

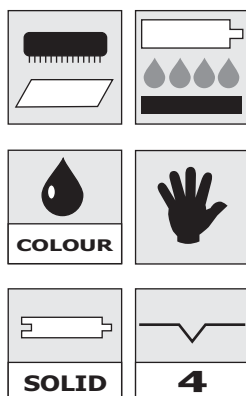
Diversified in terms of quality, hand planed and additionally aged plank finished with natural clear oil. The characteristic dominant features of oak wood such as big knots, heart and inbark appear. Every plank is unique.



OAK VILLANDRY

Character Class

The hand planed and aged plank of character class, finished with natural transparent antic oil. The characteristic dominant features of oak wood such as big knots, heart and inbark appear.



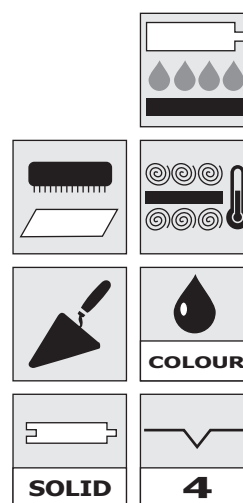
PRODUCT DESCRIPTION PANMAR FLOORS



OAK CHINNON

Natural Class

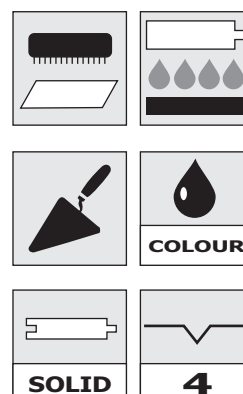
The high quality, thermo processed oak plank treated with transparent oil. Sporadically small, sound knots may occur. Warm, brown colour.



OAK CHAMBORD

Rustic Class

The rustic oak plank finished with white transparent oil. It contains big knots, sapwood and diverse colouring.



Due to technical reasons the colours in the catalogue can differ from the real ones.

Service manual with PANMAR planks made of solid wood.

Please read this service manual carefully before starting placing them.

Failure of respect the recommendations included in this manual can result in the loss of guarantee.

The PANMAR plank is a natural ecological product of very high quality made of solid wood in 100% with the high usage resistance. Apart from the aesthetic values, the plank is also a good thermal and acoustic insulator and it favourably influences the regulation of the microclimate and air in the room.

The Panmar plank is a durable product and it can be renewed many Times.

Plank storage

After the delivery the plank have to be stored horizontally in the dry place and on the flat surface. The planks must not be stored vertically leaning them on edges or against objects.

For 48 hours before the installation the planks have to be still stored in the untouched packets in the room temperature at least 18 degrees Celsius.

The room in which the planks is to be placed.

The plank can be installed in the buildings and flats after finishing rooms as the last element before putting furniture in.

The work connected with the installation of windows, doors, central heating, electrical installation, painting work have to be finished and the room has to be dried appropriately.

Relative humidity in the room has to amount between 45% - 55% during placing and the temperature has to be at least 18 degrees Celsius.

Keeping the above mentioned conditions is essential as wood is a hygroscopic material which expands under the influence of too high humidity of air and shrinks at the too low one. It can cause gaps, cracks and deformations. The producer is not responsible for the floor deformations caused by the above occurrence.

The producer does not recommend placing the PANMAR plank in the rooms with higher humidity and vulnerable to changeable microclimatic conditions for example bathrooms, saunas, vestibules. It can cause gaps, cracks.

Moreover, the producer does not recommend placing the PANMAR plank in the rooms in which the floor heating has been used.

Groundwork

The PANMAR plank can be placed on most of hard surfaces such as concrete, anhydrite, an old wooden floor, etc. The sub-floor has to be flawlessly even, flat, dry and it must not crumble. Surface unevenness cannot exceed +/- 2 mm for each 2 m length. In case of bigger unevenness it is necessary to use the specialist levelling mortar. The surface on which the plank is placed should be checked in case it crumbles and it is appropriately solid and hard to be able to glue a plank to it.

Before the beginning of the assembly, the measurement of humidity of the surface on which the plank will be glued should be absolutely made with the use of specialist equipment. The moisture level of the sub-floor has to be:

- for wooden sub-floor 7-9 % relative moisture of wood

- for concrete sub-floors CM < 1,8%

- for anhydrite sub-floors CM < 0,5%

All the types of sub-floors should have insulation against moisture which will guarantee that the sub-floor moisture will not increase after some time.

Placing.

The PANMAR company recommends the assembly of their planks by gluing them to the sub-floor. Due to the complicated character of the above mentioned activities requiring the appropriate professional knowledge as well as the equipment, we recommend ordering the placement of the PANMAR planks to the good specialist. We recommend the specialist polyurethane glues to assembly the planks (they do not contain water and solvents) to glue floors of the leading companies in this field (eg. Uzin).

The plank should be unpacked (foil should be removed) directly before the beginning of the assembly. The plank was dried in the most modern drying rooms to reach the final moisture $9 \pm 2\%$ and keeps this moisture in the appropriate climatic conditions of the room.

It is important to ensure that there are sufficient expansion gaps (min. 15 mm) between the floor and the wall or adjacent hardware and installations.

The detailed recommendations as for the fashion of Panmar plank placing are included in "Manual of Panmar plank placement for the specialist."

NOTICE.

Any and all evident faults of the product should be reported before the installation. The complaints lodged For the installed planks with evident faults will not be taken into consideration.

Use of the planks

The Panmar planks finished with oil can be used immediately after gluing them to the sub-floor (after the recommended time by the producer of the glue used to glue planks).

In case of unfinished planks the procedure should be according to the advice given by the producer of the material with which the plank is to be finished.

The producer is not responsible for the use of planks with the unfinished surface.

The appropriate microclimate and temperature in the room in which the plank has been installed should be provided (air humidity 45 - 55 %, the temperature at least 18 degrees Celsius).

The floor should be definitely protected against damage by other objects with the use of protective pads (for example, chairs, tables, etc, should have the pads glued at the bottom). Please, make sure that the purchased pads are especially designed to protect floors. Doormats should be absolutely used. The mixture of water and sand together with the intensive use can result in very quick abrasion of the floor.

It should be checked if:

- the doormats are big enough to be able to remove sand and water effectively.
- their construction makes sand and water be removed deep so that the doormat fulfill the requirements.

It is not allowed to expose the floor to the contact with water. The water which is spilled by accident should be removed immediately.

During the winter when the rooms are heated intensively as well as when the air-conditioning is used, relative moisture of the surrounding decreases to the level at which wood can overdry. It can be prevented by humidifying air (for example, with the use of a humidifier). The producer is not responsible for deformations of the floor caused by this occurrence. To care of and clean the floors, only and exclusively protective agents for the floors finished with oils and oil-wax by the Osmo company should be used due to the used finishing oils of this company used by PANMAR.

The detailed ways of caring are included in "MANUAL OF USE AND CARE of Panmar floors finished with OSMO oils."

Complaints

We recommend that a person installing the planks should look at each plank precisely before its assembly. The planks with visible faults are not subject to the complaint after its installation. Immediately after unpacking the measurement of plank moisture should be made. If the plank moisture does not fulfil the standard 9 ± 2 % of relative moisture of wood, the other packets should not be unpacked. Only the originally protected product (packed in foil) can be the basis to consider the moisture complaint by the producer. The arbitrary method to adjust the moisture complaint will only and exclusively be the method of the dryer and the scales. Due to the ecological character of the PANMAR plank, the faults resulting from the natural structure of wood and the character of the individual wood class are not subject to the complaint. With regard to the natural property of wood to darken or lighten under the influence of light, the producer is not responsible for the change in colour resulting from this. The producer is not responsible for the abrasion of surfaces finished with oil and the change of their colour due to the use which is the natural property of the floors covered with oil and wax.

The remarks concerning the article have to be reported to the seller within 7 days from its delivery however before the assembly of the goods. The client should not take the article in the damaged packets ie. Untight as the producer will not allow the complaint of this article. The producer does not receive the surplus of the goods. The fulfilment of all the conditions included in this service manual as well as in the Manual of use and care of Panmar floors finished with Osmo oils is necessary to keep the guarantee for the PANMAR planks.

Notice!

This document is not the quality guarantee. The guarantee document is the guarantee card handed in by the seller At the moment of purchase of the article.



MANUAL OF USE AND CARE of Panmar floors finished with OSMO oils.

General information

The Panmar floors covered with the Osmo system are characterised by the high resistance to current dirt (dirt from shoes and another). The Osmo cover is a technologically advanced mixture of natural oils (linseed, sunflower, thistle, soybean) and hard natural waxes of plant origin (carnauba, candelilla). Pigments used in colouring products are used in the food industry which means that they are fully natural and ecological. This product will protect every floor in the natural way but we are not excused from its cleaning. The biggest threat to the floors covered with Osmo oils is sand under the weight of a human body as the outer cover is very hard and that is why it is vulnerable to scratches. Therefore the care of these covers has the key meaning for the use of Osmo. The floors covered by this system are very hard and easy to take care of.

Recommendations of immediate and periodical care:

1. You can walk on the floor immediately after its installation.
2. Use felt pads on your furniture.
3. Use specialist protective mats under the armchairs with the wheels.
4. Use the system of dirt collection (mats, for example, before entering and after leaving an object, a house).
The correctly designed system of mats should contain 3 cleaning zones: rough, transitional and drying.
In the public use the system of dirt collection should be minimum 2.5 running metre long of the cleaning path.
5. Always remove any grit or other abrasives immediately from the surface of your parquet (a vacuum cleaner, a cloth, a mop).
6. Separate rubber elements of house equipment or objects from the surface of the floor.
The covers of the Panmar plank can react with rubber.
7. Use the abstergent for everyday washing called Wisch - Fix (according to the recommendations of the application card).
The floor should always be washed with the damp mop not the dripping one (wipe the excess of moisture with the dry cloth).
8. Local intensive dirt should be removed with the abstergent for taking care of wax spray (according to the application card).
9. Another visible damage is nothing else but scratches of the covers of hard wax, which should be liquidated through putting the abstergent for taking care and cleaning wax Wachspflege (according to the application card).
This action should be repeated several times a year in the house care (in case of visible damage of communication paths).
In the public use this product should be used at least once a week (this caring should be made by the user of the parquet company).
10. During repair or construction works the floor should be protected against damage.
11. Deep damage of the cover of the Panmar plank should be sanded delicately with sanding paper (grit 120), remove dust and apply oil hardwax with a cloth or protect it with the abstergent for taking care and cleaning Liquid wax cleaner.



If it is necessary, seek additional information on the care of the Panmar planks finished with Osmo oils at the e-mail address: www.osmo.com.pl or contact the seller.



CARE AND CLEANING OF OSMO COVERS

EVERYDAY CARE: THE ABSTERGENT FOR EVERYDAY WASHING WISCH FIX 8016

For everyday care you should use the abstergent Wisch Fix 8016 (one cap of the abstergent per 1 litre of water). While cleaning for example the parquet thoroughly, use the above mentioned abstergent in the proportion 1:1 cleaning with the brush and then collect dirt with the cloth.

Notice: use two buckets to wash the parquet (one bucket with clean water for rinsing the dirty mop, in the other one the Wisch Fix should be mixed to soak the clean mop). It is essential that the parquet is not flooded, but only cleaned with the damp mop with the abstergent Wisch Fix.

REMOVAL OF DIRT / SCRATCHES:

ABSTERGENT TO CLEAN AND TAKING CARE OF WAX 3031

To remove local damage (scratches made by soft shoes), use the spray abstergent ³⁰³¹ (apply a thin cover of the abstergent and then take dirt away with the cloth). This abstergent also fills up the surface of wax, which means that it can be used for local repairs (after sanding damage / a scratch, you should remove dust from the surface, spray the abstergent And wipe with the dry cloth).

Osmo products



PERIODICAL CARE AND CLEANING OF OSMO COVERS

PERIODICAL RESTORATION OF OSMO SURFACES:

For the periodical restoration of the damaged surfaces of the parquet, you should use the abstergent for care and cleaning wax "Wachspflege" ³⁰²⁹ or ³⁰⁸⁷ "Wachspflege Weiss" (it refers to the whitewashed surface). Having put a very thin cover of the above mentioned abstergent on the clean parquet (a mop, a cloth), leave it for 10-30 minutes and then polish the surface with the dry cloth. Polishing it for 10 minutes, we will have a duller cover, and after 30 minutes the cover with the stronger lustre. It is important to apply this abstergent on the intensively used surfaces where the cover of hard wax has been damaged. In the normal house use this action can be performed 1-4 times a year. In the public use (restaurants, dance halls), it is necessary to fill the surface up minimum once a week. This abstergent can also remove the so-called "difficult stains." Such a stain should be treated with the abstergent for several minutes and the softened dirt should be removed with the cloth.

REMOVAL OF DAMAGE SCRATCHES ON THE PARQUET

In case of damage on the surface of the parquet, it should be delicately sanded with unwoven fabric by polishing locally, then dust should be removed and the cover of wax should be applied (for example with the cloth). Having filled up the surface with hard oil wax (³⁰³², ³⁰⁶², ³²³², ³²⁶², ³⁰³⁰). Wipe the excess away with the natural cloth.

THREATS TO THE SURFACES COVERED WITH OSMO

The biggest threat to the parquets/floors is sand which is in contact with the shoes of the users. The maximum good system of dirt collection should be taken care of especially (for example, before and after entering the house). The condition of our floors covered with the covers of Osmo will also depend on the frequency of washing it with the abstergent Wisch Fix 8016 And filling the surface of wax up with the abstergent for taking care and cleaning wax (Wachspflege ³⁰²⁹ and Spray ³⁰³¹).

Packing the PANMAR plank

All the planks of the various width are packed in packets of 2.4 m long and in each packet there are 5 layers of planks. The planks of various length are connected so that the dimension is 2.4 m total (for example, 1.8 m and 0.6 m). The minimum length of a plank is 0.6 m and the maximum one is 2.4 m.

The planks are placed according to the layers of 2.4 m long, then they are fastened with the tape, the ends are protected with the cardboard and we pack them into the foil sleeve which is next welded in order to protect the plank against moisture. In each packet we guarantee the size of the longest plank of 1.8 m.

Weight and dimension specification of the PANMAR planks depending on the width of the plank

For the planks of the width **100 mm**

The floor plank 100 mm wide

Box 5 layers

1 box 1,20 m²

1 box 17,70 kg

1 pallet 86,40 m²

1 pallet 72 boxes

1 pallet 1274,40 kg

1 full truck 18 pallets

1 full truck **22939,20 kg**

1 full truck **1555,20 m²**

Dimensions of the pallet:

length 2500 mm

width 990 mm

height 990 mm

"100" IS PLACED

ON JOISTS 75 X 100 X 1000

on width. 9 pcs.

on height 8 pcs.

For the planks of the width **120 mm**

The floor plank 120 mm wide

Box 5 layers

1 box 1,44 m²

1 box 21,24 kg

1 pallet 92,16 m²

1 pallet 64 boxes

1 pallet 1³59,36 kg

1 full truck 17 pallets

1 full truck **23109,10 kg**

1 full truck **1566,72 m²**

Dimensions of the pallet

length 2500 mm

width 1040 mm

height 990 mm

"120" IS PLACED

ON JOISTS 75 X 100 X 1050

on width. 8 pcs.

on height 8 pcs.

For the planks of the width **150 mm**

The floor plank 150 mm wide

Box 5 layers

1 box 1,80 m²

1 box 26,55 kg

1 pallet 86,40 m²

1 pallet 48 boxes

1 pallet 1274,40 kg

1 full truck 18 pallets

1 full truck **22939,20 kg**

1 full truck **1555,20 m²**

Dimensions of the pallet:

length 2500 mm

width 960 mm

height 990 mm

"150" IS PLACED

ON JOISTS 75 X 100 X 1000

on width. 6 pcs.

on height 8 pcs.

For the planks of the width **195 mm**

The floor plank 195 mm wide

Box 5 layers

1 box 2,34 m²

1 box 34,515 kg

1 pallet 93,60 m²

1 pallet 40 boxes

1 pallet 1³80,60 kg

1 full truck 17 pallets

1 full truck **23470,20 kg**

1 full truck **1591,20 m²**

Dimensions of the pallet:

length 2500 mm

width 1025 mm

height 990 mm

"195" IS PLACED

ON JOISTS 75 X 100 X 1050

on width. 5 pcs.

on height 8 pcs.



„PANMAR” SP.J. SZ. CZEKANSKI, W. SZMYD, F.T.H.U.
Podkarpacka 16 b, Krosno 38-400, Poland

is certified for chain-of-custody by SmartWood.

„PANMAR” Sp.J. Sz. Czekański, W. Szmyd, F.T.H.U. markets both certified and noncertified wood products. Wood products certified by SmartWood are recognized as coming from “well-managed” forests adhering to strict environmental and socioeconomic standards in accordance with the Principles and Criteria of the Forest Stewardship Council (FSC).

SmartWood is a program of the Rainforest Alliance. This certification was conducted in collaboration with NEPCo, a member of the SmartWood Network.



ACCREDITED
FSC-SECR-0013

Richard Donovan, Director, SmartWood
Rainforest Alliance
65 Millet Street, Richmond, VT 05477
Valid from: October 1, 2004 to September 30, 2009
Certificate Registration Code: SW-COC-1323

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FTHU PANMAR Sp.J Czekański-Szmyd
Ul. Podkarpacka 16 b PL 38-400 Krosno Poland

2008

EN 14342

Solid wood flooring with inlets and tongues to put on glue

Density	over 650 kg/m
Thickness	21 mm
Reaction to fire	Cfl – s1
Formaldehyde emission	E1
Limiting resistance	NPD
Lubricity	NPD
Thermal conductivity	0,16 W/mK
Biological durability	Class 1

PRODUCT SPECIFICATION

Code	Product	Grade	Edge	Surface	Finish			Skirting boards	
						colour number	top colour number	30 mm skirting board type	60 mm skirting board type
DB/C/DP/EMIN/O	Oak Emina	Classic	bevel	smooth	oiled	3137	3232	db 30/3137	db 60/3137
DB/C/DP/O	Oak Classic	Classic	bevel	smooth	oiled	3232	3232	db 30/3232	db 60/3232
DB/N/DP/O	Oak Natur	Natural	bevel	brushed	oiled	3232	3232	db 30/3232	db 60/3232
DB/R/DP/PANI/O	Oak Panila	Rustic	bevel	brushed	oiled	3143	3232	db 30/3143	db 60/3143
DB/C+N/DP/PANU/O/T	Oak Panuba Thermo	Natural	bevel	brushed	oiled	3161	3232	db 30/3161	db 60/3161
DB/N/DP/AKOY/O	Oak Akoya	Natural	bevel	brushed	oiled	3143	3232	db 30/3143	db 60/3143
DB/N/DP/ESCA/O	Oak Escarcha	Natural	bevel	brushed	oiled	3111	3232	db 30/3111	db 60/3111
DB/N/DP/SAMB/O	Oak Samba	Natural	bevel	brushed	oiled	3138	3232	db 30/3138	db 60/3138
DB/R/DP/O	Oak Rustic	Rustic	bevel	brushed hand planed	oiled	3232	3232	db 30/3232	db 60/3232
DB/R/DP/PELE/O	Oak Pelea	Rustic	bevel	brushed hand planed	oiled	3168	3232	db 30/3168	db 60/3168
DB/R/DP/HUMO/O/T	Oak Humo Thermo	Rustic	bevel	brushed	oiled	3232	3232	db 30/3232	db 60/3232
DB/H/DP/BRIS/O	Oak Brissac	Character	bevel	brushed	oiled	3232	3232	db 30/3232	db 60/3232
DB/H/D/SERR/O	Oak Serrant	Character	bevel	brushed	oiled	3161	3232	db 30/3161	db 60/3161
DB/H/DP/TALC/O	Oak Talcy	Character	bevel	brushed hand planed	oiled	3143	3232	db 30/3143	db 60/3143
DB/H/DP/SAUM/O	Oak Saumur	Character	bevel	brushed hand planed	oiled	3168	3232	db 30/3168	db 60/3168
DB/R/DP/LAVA/O/T	Oak Lavardin Thermo	Rustic	bevel	brushed hand planed	oiled	3232	3232	db 30/3232	db 60/3232
DB/H/DP/ANGE/O	Oak Angers	Character	bevel	aged	oiled	3232	3232	db 30/3232	db 60/3232
DB/H/DP/VILL/O	Oak Villandry	Character	bevel	aged	oiled	3232	3232	db 30/3232	db 60/3232
DB/C+N/DP/CHIN/O/T	Oak Chinnon Thermo	Natural	bevel	brushed	oiled	3143	3232	db 30/3143	db 60/3143
DB/R/DP/CHAM/O	Oak Chambord	Rustic	bevel	brushed	oiled	3111	3232	db 30/3111	db 60/3111