

(Forêt)

PRODUCT SHEET

OSCARONO
PARIS



SHAKE
THE
LINES

JNC FORÊT COLLECTION

HIGHLY CRAFTED WOOD SURFACE FOR FLOORS AND WALLS

Inspired by wood cobble stones in Paris during the 19th century, we have spent the last couple of years to revive this wondrous tradition and to give it a new contemporary life.

Discover in this brochure how the Fôret Collection stands for an innovative approach to endgrain wood surfaces, a highly crafted yet easy to assemble surface in an uncompromising quality.



TABLE OF CONTENTS

- 05 A playground for creativity
- 10 We design for you to create
- 23 Technical features
- 28 Installation
- 34 Installing the perfect Forêt Mix
- 37 Cleaning & maintenance
- 39 10 year warranty
- 41 Documents for control agencies

**A
PLAYGROUND
FOR
CREATIVITY**

6 DIFFERENT PATTERNS MULTIPLE COMBINATIONS

The Forêt Collection contains 6 different patterns, a playground for architects who can easily personalize compositions.

GRID

A



BRICK

B



ARROW

C



ROOF LEFT

D



ROOF RIGHT

E



CITYSCAPE

F





SQUARE MIX

ROOF MIX

BRICK ONLY

AND OTHERS
FOR YOU
TO CREATE

FORÊT MIX



NATURAL

SMOKE

BLACK

FINISHES TO THE CORE NO COLORATION

The Forêt Collection comes in 3 different finishes, carefully selected for their performance. These finishes are natural, to the core and made without coloration.



COMPLETELY PREASSEMBLED

The Forêt Collection is a 100% hand-made surface that comes completely preassembled. Thanks to the tongue & groove system, no installation skills are required.

WE DESIGN
FOR YOU
TO CREATE

The Forêt Collection was designed to provide a creative playground for architects, making each one of the projects unique.

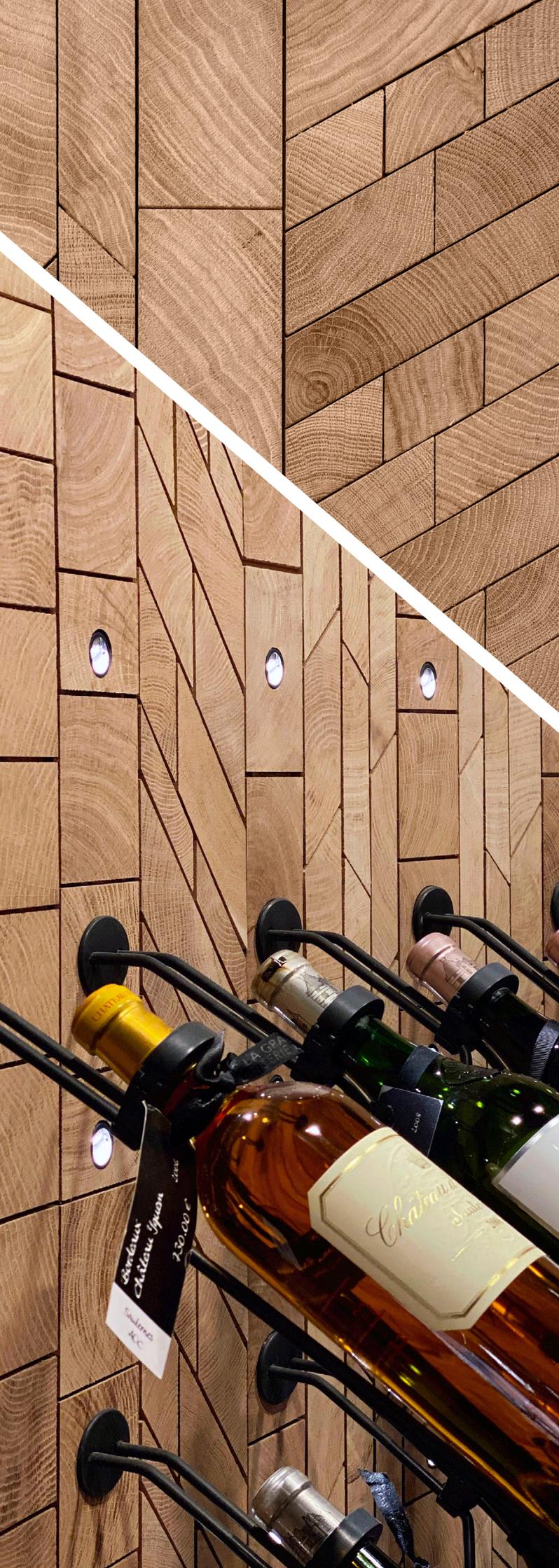
MERCIMERCI FOR THE COLLABORATIONS.



**AD
INTERIEURS**
Paris - France



DOMAINE
DES ETANGS
Massignac - France

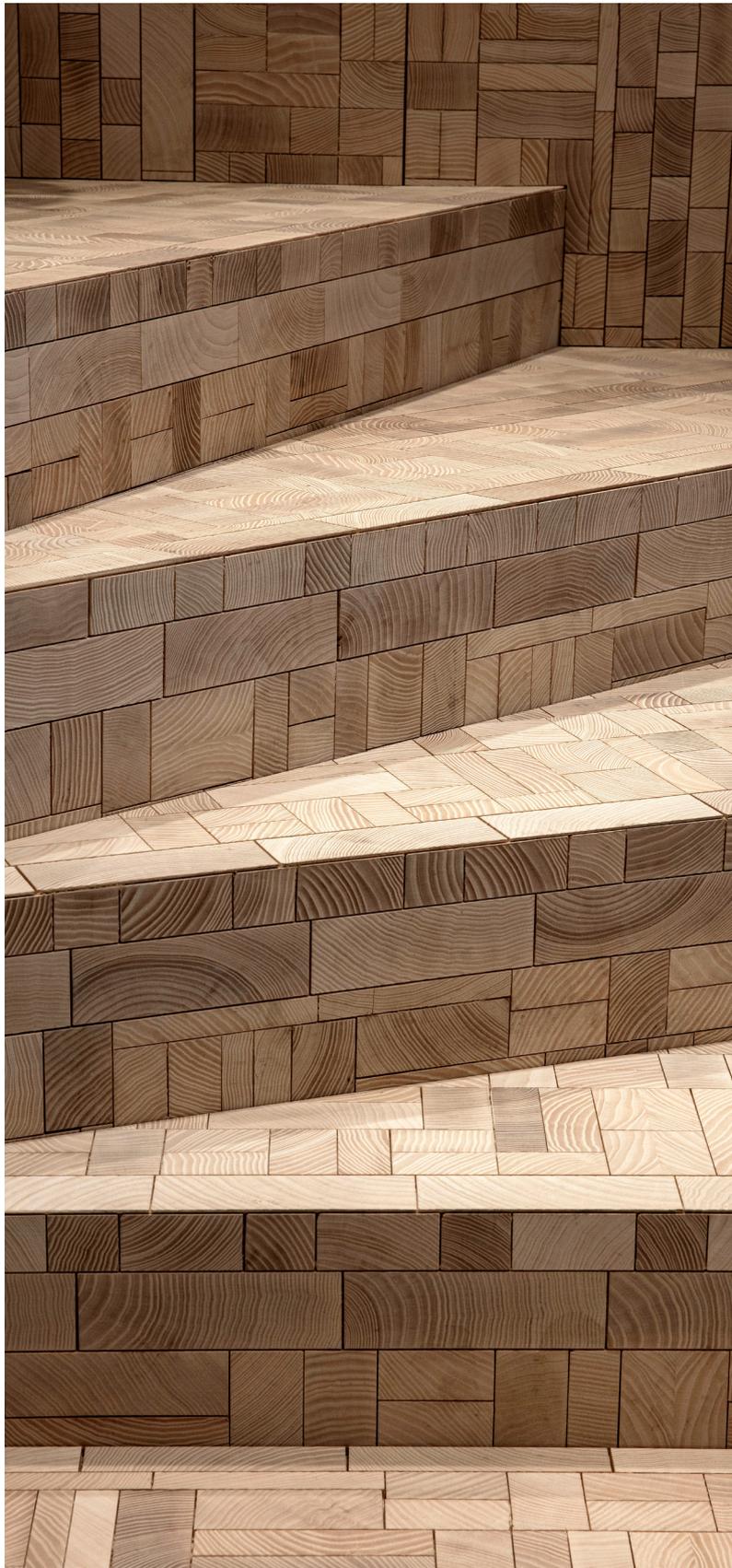


LA GRANDE EPICERIE

Paris - France



ETAM
FLAGSHIP STORE
Paris - France



ETAM
FLAGSHIP STORE
Paris - France



DIPTYQUE
Paris - France



DOMAINE
DES ETANGS

Massignac - France



**TOD'S MONTE
NAPOLEONE**

Milan - Italy



**PRIVATE
APARTMENT**

Paris - France



**SALONE
DEL MOBILE**
Milan - Italy



**MARBELLA
DESIGN**

Marbella - Spain



CASA
DECOR
Madrid - Spain

TECHNICAL FEATURES

COLOR CODES

Natural	F101
Smoke	F102
Black	F103

FINISH

UV Oil	2 component invisible varnish
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TIMBER SPECIE

European Oak/ Quercus Robur

CERTIFICATION COMPLIANCE

PEFC or FSC	On request
CE (conformite Europeenne)	EN 14342
VOC emmissions	E1/ ISO 16000
Fire resistance rating	Cfl-S1
Brinell hardness rating	3.7 (medium-hard wood: 2.5 to 3.8)
Thermal resistance	0.14 m2 K / W (depending on the installation surface)

GRADING SPECS (END GRAIN NATUREL & SMOKED)

Grow defects:	10 mm
Knots:	max 5 mm/pits max 1 per board
Sap wood:	no
Water spots:	yes
Worm holes:	no
Dark color shaded:	yes
Drying stripes:	no
Open holes on sides:	no
Cracks:	<10mm lenght, filled, 3 per board
Rouge:	no

GRADING SPECS END GRAIN BLACK

Grow defects:	10 mm
Knots:	max 10mm/pits max 1 per board
Sap wood:	no
Water spots:	no
Worm holes:	no
Dark color shaded:	no
Drying stripes:	no
Open holes on sides:	no
Cracks:board	<20mm lenght, not filled, 5 per board
Rouge:	no

NOTE:

Foret Black Burnt gives a more rustic character as the soft wood has been removed due to burning process.

GRADING SPECS FORET SIMPLE (FLAT GRAIN)

Grow defects:	5/50 mm
Knots:	max 10mm/pits max 2 per board
Heart stripes:	no
Sap wood:	no
Water spots:	<5%
Worm holes:	no
Yellow:	no
Drying stripes:	no
Color difference:	few contrast
Open holes on sides:	no
Head cracks:	no
Rouge:	no
Dosse:	yes
Mirrors:	little

FORET & FORET SIMPLE

NOTE: Position C "Arrow" comes in 2 boards, " Arrow L" and "Arrow R" together counting for 69 mm width)

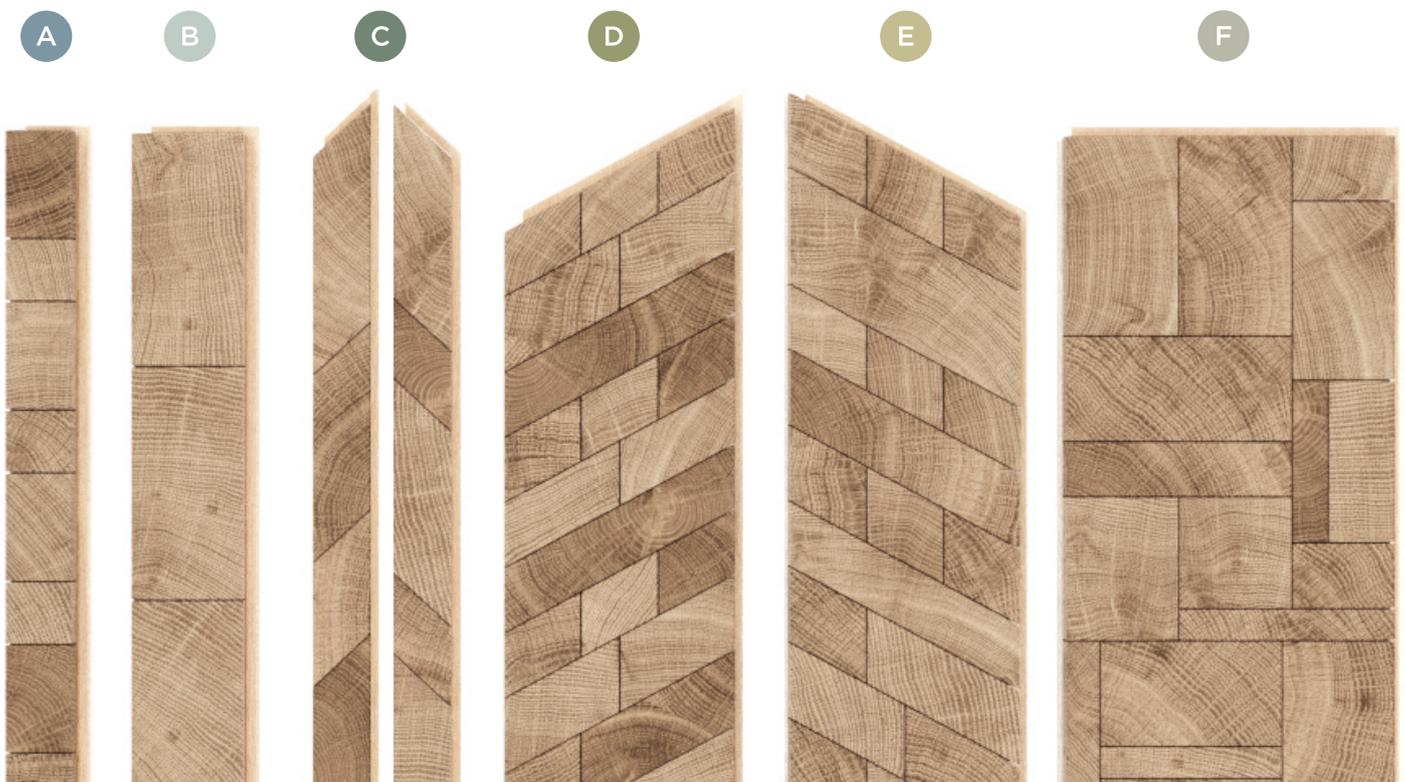
DIMENSIONS	A	B	C	D	E	F
	TILE	BRICK	ARROW	ROOF LEFT	ROOF RIGHT	CITYSCAPE
Thickness	12+8	12+8	12+8	12+8	12+8	12+8
Width mm	38	50	69	138	138	200
Lenght mm	1520	1520	1520	1520	1520	1520
m2/ board	0,06 m2	0,08 m2	0,10 m2	0,21 m2	0,21 m2	0,30 m2

FORET XXL

NOTE: Position C "Arrow" comes in 2 boards, " Arrow L" and "Arrow R" together counting for 138mm width)

DIMENSIONS	A	B	C	D	E	F
	TILE	BRICK	ARROW	ROOF LEFT	ROOF RIGHT	CITYSCAPE
Thickness	12+8	12+8	12+8	12+8	12+8	12+8
Width mm	76	100	138	275	276	3096
Lenght mm	1520	1520	1520	1520	1520	1520
m2/ board	0,12 m2	0,15 m2	0,21 m2	0,42 m2	0,42 m2	0,60 m2

GRID 1520 x 38 mm 59,84 x 1,50 inches	BRICK 1520 x 50 mm 59,84 x 1,97 inches	ARROW 2 x 1520 x 35 mm 2 x 59,84 x 1,38 inches	ROOF LEFT 1520 x 138 mm 59,84 x 5,43 inches	ROOF RIGHT 1520 x 138 mm 59,84 x 5,43 inches	CITYSCAPE 1520 x 200 mm 59,84 x 7,87 inches
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CONSTRUCTION

Plywood	12mm - 100% Birch waterproof quality, D4 adhesives
Oak toplayer	8mm
Adhesive	D3
Connection boards	Tongue and Groove system
Bevel	N/A

CLIMATIC CONDITIONS

Wood products	8-12% moisture
Ideal indoor environment	40-60% humidity

USE

In- / outdoor	Indoor only
Area	Avoid high humidity areas, like spa
Traffic	Residential only, commercial on request

INSTALLATION

BEFORE THE INSTALLATION

All jobsite conditions should comply with Oscar Ono specifications, including but not limited to humidity levels and sub-floor conditions. Be sure that the Oscar Ono engineered products meet your expectations. When possible, we suggest loose-laying several square feet of the flooring in the general location where they will be installed. If the visual appearance, color, sheen, or manufacturing quality does not meet your expectations, do not proceed with the installation. **The placement of any Oscar Ono flooring products into mastic for adhering purposes constitutes your acceptance of the materials.**

To achieve a regular distribution of the grade in the installed floor, we recommend installing from different cartons or pallets at the same time.

CHECK RELATIVE HUMIDITY

With a reliable hygrometer, sling psychrometer, or electronic monitoring device, check the humidity in the space where the flooring is to be installed. Normal humidity should read between 35-55% assuming a 18°-25° C / 65°-75°F temperature. If humidity is not normal, postpone installation until conditions are normal.

CONDITIONING & UNPACKING

Do not unpack unless heating, air conditioning, and humidity controls are in full operation and room conditions are normal. Store and acclimate unopened cartons inside the spaces where they are to be installed. The length of acclimation may be adjusted at the discretion of the installing contractor and is based upon the atmospheric conditions at the time of the year. In any event, the temperature of the room and the building must be uniformly maintained at not less than 18° C / 65°F from delivery, through acclimation, as well as during and after installation.

ACCLIMATION

The purpose of acclimating wood flooring is to allow the moisture content of the planks to adjust to normal conditions. The temperature and humidity that will be typical once the facility is opened, and the permanent Heating, Ventilating and Air Conditioning (HVAC) system is functioning and balanced.

Before Oscar Ono floor planks are delivered, the job site must be checked to determine if it is ready. The structure should be fully enclosed, with doors and windows in place, and interior climate controls operational for at least 48 hours to stabilize the moisture conditions. Wood flooring should not be delivered until all wet-work is completed. If conditions are not stable, acclimation may be harmful to the installation.

If you know the Equilibrium Moisture Content (EMC) of wood in your region, the wood might already be at the proper moisture content, and acclimation for any length of time may not be necessary. The installer should have a clear understanding of the EMC in order to determine the length of acclimation. This requires knowing and recording the moisture content of the wood at the time of delivery, and what the expected moisture content will be at equilibrium. The flooring is manufactured at 7-9% EMC.

At equilibrium, the moisture content of the wood neither gains nor loses water because it has reached equilibrium with the vapor pressure of the surrounding atmosphere. Changes in relative humidity and temperature of surrounding air cause both seasonal, long term, and daily short-term changes in the moisture content.

Long-term changes are gradual as moisture slowly penetrates the wood, while short-term fluctuations influence only the wood surface. Protective coatings slow the changes in moisture content, but ultimately the wood will attain equilibrium.

Humidity maintained above 60-70% at normal residential temperatures can adversely affect wood components. Humidity sustained at or above this level can result in an EMC of 12% or more with associated expansion. Humidity maintained at or below 25-30% can adversely affect wood components and result in an EMC below 6%. This condition can cause greater than normal shrinkage with associated cracks. (Source: Wood Handbook U.S. Department of Agriculture, Forest Products Laboratory)

Ideal conditions for all wood flooring would be to acclimate and install at the average level of humidity in your particular facility, which should be in 35-55% range. (Source: National Wood Flooring Association Wood Flooring Installation Guidelines and Methods, revised 05/2012, page 10, article B-1 Wood's Comfort Zone). As a general rule, with geographic exceptions, wood flooring will perform best when the interior environment is controlled to stay within a relative humidity range of 30-50%, and a temperature range of 16° to 27° C /60° to 80° F. In some climates, the ideal humidity range might be higher or lower, 25-45% or 45-65%, for example. We would be pleased to discuss with your length of acclimation for your particular installation.

NOTE: We always recommend at least 2 days of acclimation prior to installation. Never install plank flooring on the same day as delivery.

CONCRETE SUB-FLOOR

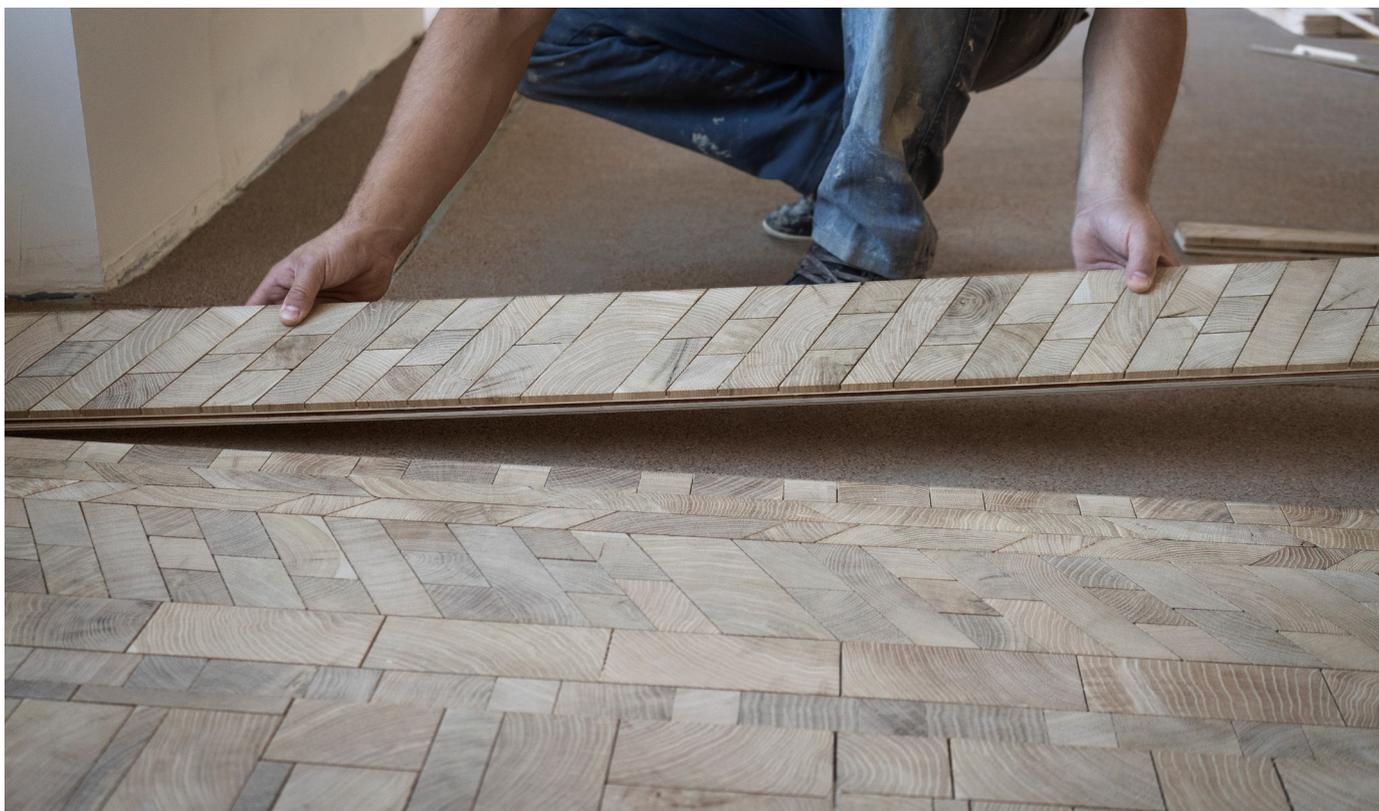
The sub-flooring should be depressed 20mm or ¾" corresponding to the depth of the Oscar Ono floor plank. If cork or rubber underlayment is specified for added resiliency, allow for extra depth. A vapor barrier or reliable water-resistant concrete sealer (i.e. Rubio Easybond or Bostik's MVP or an equivalent) should be used when moisture from below is of concern. New concrete slabs must be cured (at least 50 days) and dry. Below grade installations are not recommended. Be sure the concrete sub-floor is smooth and level. Tolerance should not exceed 5mm or 3/16" on a 30 cm / 10 ft. straight edge in any direction. Check floor level with straight metal strip on edge, double check edges and corners. Eliminate any washboard irregularity. All rough spots or gravel protruding must be ground smooth and low areas filled with leveling compound. If tolerance is not as specified, the flooring contractor must insist the masonry contractor make necessary corrections. Concrete should be tested for moisture content and be no greater than 1.4KG / 3 lbs. per 92 SQM / 1,000 sq. ft. per 24 hours (ASTM F-1869), or 75% RH (ASTM 2170). We recommend a bond test before spreading mastic and installing Oscar Ono planks. A test should be made with your chosen adhesive and several of our planks before beginning the installation. Check with us about your particular condition.

WOOD SUB-FLOOR

There should not be any cupped area, or projecting nails. If planks are to be installed on an existing synthetic floor or raised computer floor system, 12mm or ½" minimum plywood or hardboard underlayment should be added, glued and screwed to the synthetic surface.

EXPANSION VOID

As a general rule, perimeter expansion space should be 20mm or ¾" wide. Cork strips 12mm or ½" to 38mm or 1-½" may be used against all walls and columns, unless concealed by shoe moldings or other base. Place temporary wooden strips along the walls and columns equal to the width of the void to be created. After installing planks flush to the strips, at the end of the day, remove the temporary strips, leaving a uniform void for expansion. In aiseways and other narrow areas where planks meet carpet or other flooring, the expansion void can be omitted. Schluter strips should be used at plank edges against carpet or other adjacent



INSTALLATION

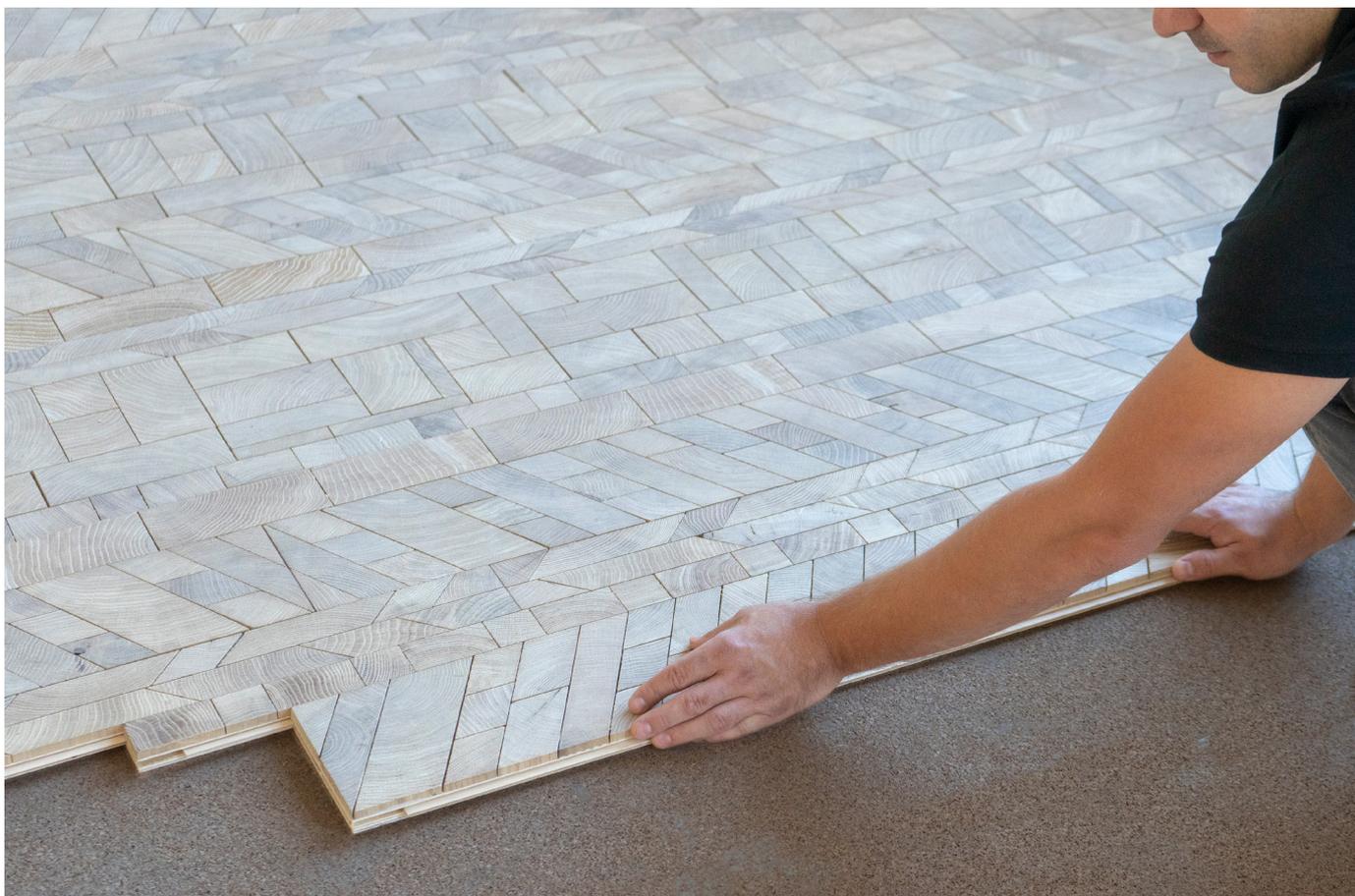
Oscar Ono products can be installed in any direction and in any desired pattern. However, board direction many times depends on the main source of light. Boards should run parallel with the entering light for best appearance. However, the proportions of the room can also be emphasized by selection of the direction in which the flooring is installed.

In doorways and large areas over 10 meter or 33 feet in length and/or width, a cork expansion joint or other suitable material should be installed. Apply a molding or cover strip over the expansion joint. We suggest cork expansion joint 16mm or $\frac{5}{8}$ " in height x any width up to 25mm or 1". Ensure that the boards are always laid lengthwise in narrow hallways. For sound insulation and to smooth out slight irregularities of the sub-floor, use roll or sheet goods of 3mm or $\frac{1}{8}$ " cork space. We don't recommend "floating installation".

Oscar Ono products may be nailed directly over wood or plywood sub-floors, which are solid, level, and well ventilated below. Top nail and blind nail the 1st row. Typical 25 mm or 1 to 30mm or 1-1/2" staples every 75-100mm or 3"-4", or 25mm to 30mm / 1 to 1-1/4" hardwood flooring cleats every 100-150mm or 4"-6".

Glue in place for a more permanent installation.

Start the installation in the right-hand corner of the room and fix the first flooring board in place with distance spacers from the wall 10mm or $\frac{3}{8}$ " to 15 mm or $\frac{1}{2}$ ". We suggest the groove side of the board be placed towards the wall, thus exposing the tongue as the laying is performed. Start every other row with a half of a plank. Using hammer and tapping plank to snug the newly installed planks over the exposed tongue. Measure the last board of the first row, and keep in mind to leave a gap of 10mm – 15mm or $\frac{3}{8}$ " to $\frac{1}{2}$ " between board ends and walls. Start the second row with the leftover piece of the first row, which will reduce cutting waste. Join the subsequent boards together row by row, working from right to left. Snap the boards together at the long side using hammer and tapping plank. Do not tap directly on the flooring edge. On completion, remove the distance spacers at all walls. Attach a base molding to the wall and not to the flooring, covering over the space created during installation. If no base is to be used, suggest filling void with pre-molded cork.



CAUTION

Since Engineered products have only a thin surface of 8mm or 5/16" end grain wood, there can be no voids left below the end grain surface. Therefore, when installing the plank up against another flooring surface, or up against Schluter, you must cut off either the Tongue or the groove, so that the end grain and ply bottom on which it sits fits tight against the adjacent flooring or Schluter. If a void is left by installing the Tongue side against Schluter, you must first fill the void with ½ of a wooden slip Tongue. If a void is left after installation, the entire edge of the end grain surface will break away, requiring difficult repairs. If there are any questions about this subject, please contact us before starting your installation.

NOTE: After installation, the floor should be covered and protected to avoid construction damage. Do not use scotch tape, duct tape, etc. directly on the flooring.

OPTIONAL FILLING

We do not recommend optional filling of the gaps between the patterns or boards. However, Oscar Ono can assist with instruction video how to proceed. PLEASE NOTE THAT OSCAR ONO WAIVES ALL RESPONSIBILITIES AND LIABILITIES. Professional Video Tutorial: <https://www.youtube.com/watch?v=9OxCgzof3S0>

RULES WITH UNDER-FLOOR HEATING (WATER AND ELECTRICAL)

Installing an Oscar Ono floor in combination with under-floor heating 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 you must, however, follow a number of specific rules. The Oscar Ono guarantee applies to wooden floors that are installed in combination with an under-floor heating system as long as the instructions below are observed.

Wood is a natural material and may warp (shrink or expand) when the temperature or humidity level changes. It is, therefore, very important that the under-floor heating system is correctly operated. This will ensure that a wooden floor is not negatively influenced. Special conditions and rules for installing an Oscar Ono floor in combination with under-floor heating:

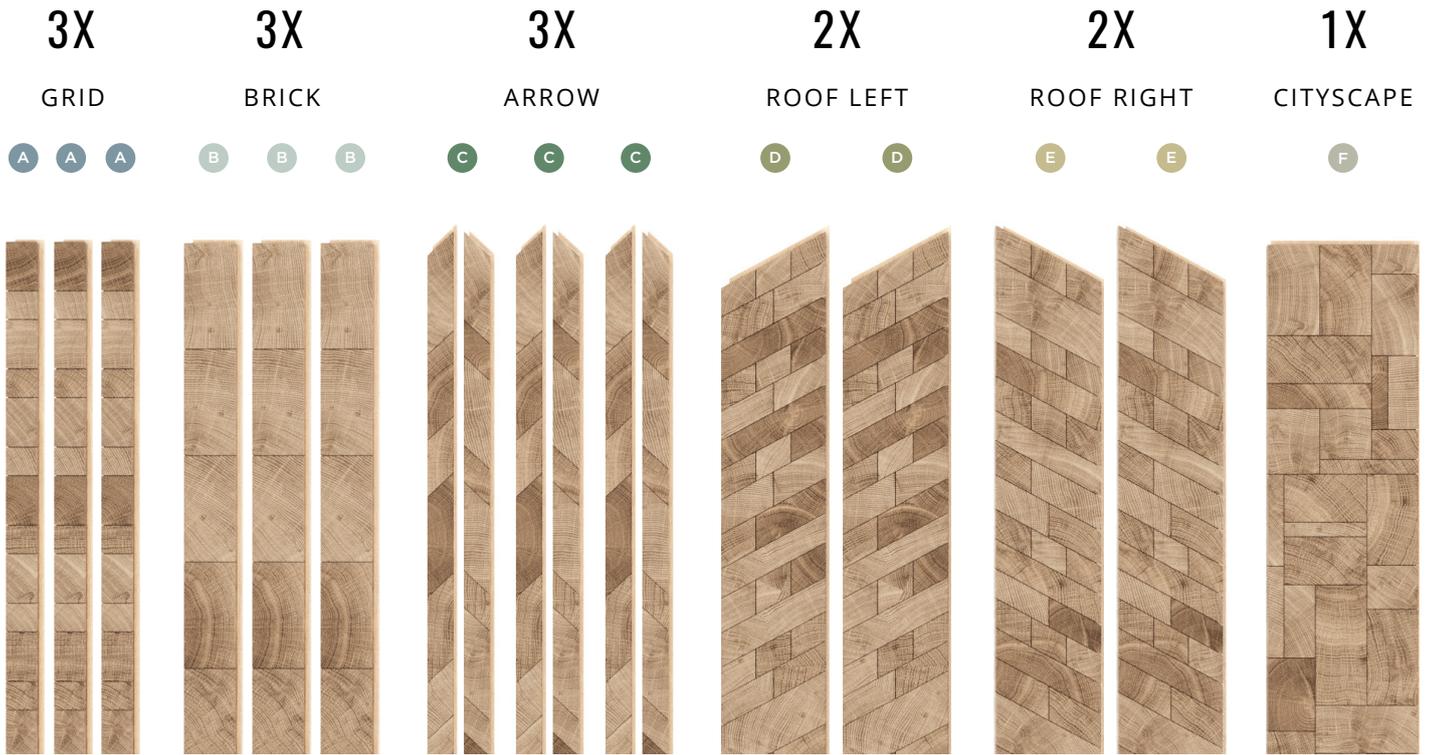
- All floors in the Oscar Ono collections, up to a maximum width of 22cm are suitable for under-floor heating. For widths of 22cm in every room and at each 50m² in a room a Fidbox needs to be installed. Larger widths are only available if agreed-upon with Oscar Ono & being stated in the Oscar Ono contract/agreement.
- With under-floor heating using hot water: the thickness of the concrete floor screed 1anhydrite floor that is poured/ applied over the heating pipes must be at least 30mm .
- The prescribed heating protocol must be followed regardless of the season to achieve the allowed moisture percentage of the screed. The screed must be at least 28 days old before the under floor heating is turned on.
- The moisture percentage of the concrete screed may not be higher than 1.5% before the wooden floor is installed. This moisture percentage may not be higher than 0.3% with regard to an anhydrite floor.
- The wooden floorboards must be allowed to acclimatize for at least 48 hours in their unopened packaging in the room where they are to be installed.
- Switch off the central heating system two days before the wooden floor is to be installed. The room temperature, however, may not be lower than 18°C when the floor is installed.
- We recommend to fully glue the floor to the subfloor and use a suitable water-free adhesive. For more information consult your adhesive supplier. Nails cannot be used when installing a floor on under-floor heating.
- When the wooden floor has been installed, the under-floor heating can be put into operation in accordance with the prescribed heating protocol.

The heating protocol during the first time the system is used:

The first day the under-floor system temperature should be set to 20°C. The temperature must subsequently be increased by 5°C every 24 hours. The system temperature may not be higher than 45°C and the floor temperature may exceed 28°C.

INSTALLING THE PERFECT FORÊT MIX

MIX RATIO OF PATTERNS



LAYOUT PLAN

FULL COMPOSITION

3363 mm / 132,40 inches



SECTION 1

1121 mm / 44,13 inches

SECTION 2

1121 mm / 44,13 inches

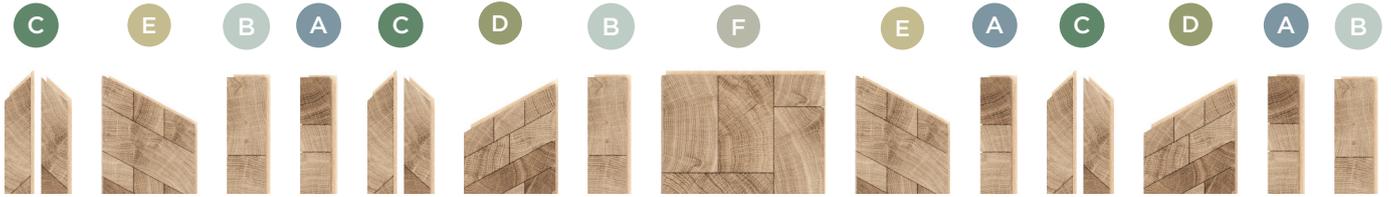
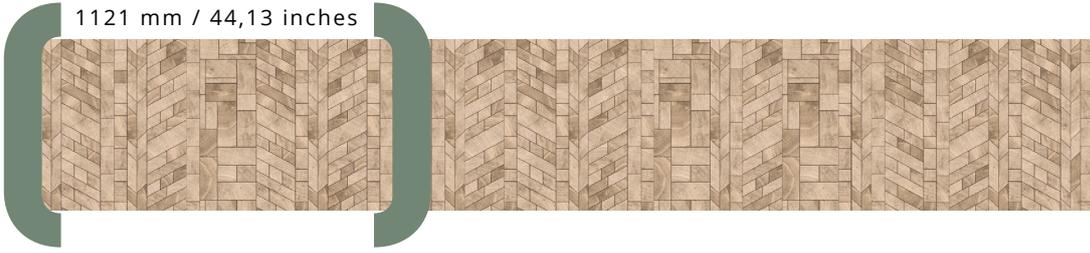
SECTION 3

1121 mm / 44,13 inches

LAYOUT PLAN

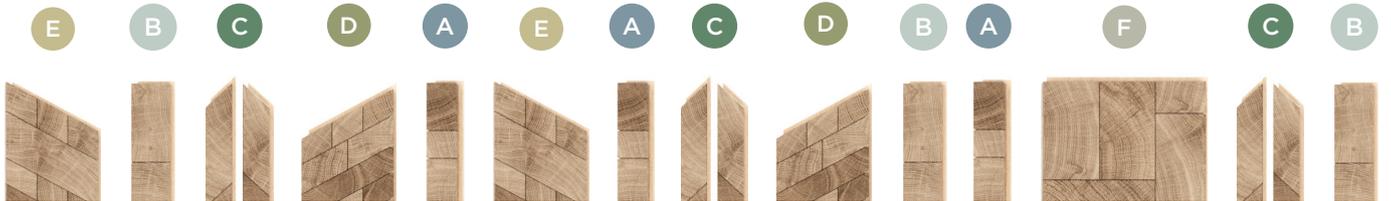
SECTION 1

1121 mm / 44,13 inches



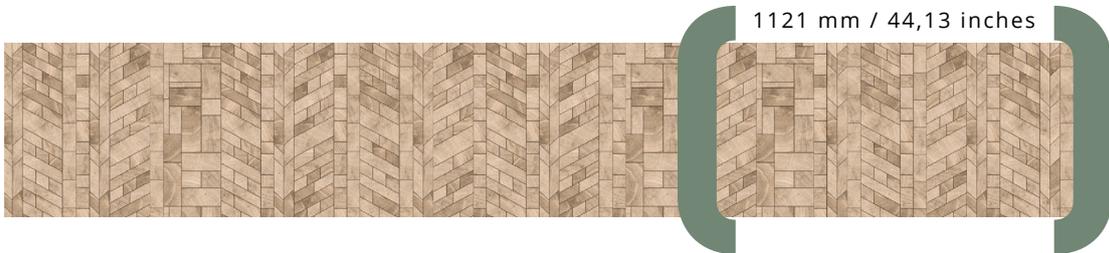
SECTION 2

1121 mm / 44,13 inches



SECTION 3

1121 mm / 44,13 inches



CLEANING & MAINTENANCE

CLEANING & MAINTENANCE

We recommend daily cleaning of the Oscar Ono floor by hovering the surface and gaps. Excessive dirt can be removed by cleaning with water like you should do on a regular wooden floor. We recommend a humid soft microfiber cloth using a mix of water and neutral soap. Wipe the mop along the grain of the floor to remove trapped dust in the grain.

Avoid using excessive amount of water, as this might trap water between the gaps of the pattern. Just some minor spill of water into the gaps is no problem and will evaporate in time. The gaps allow the floor to extend and shrink causing no damage by regular cleaning as mentioned above.

Always avoid using cleaning materials containing alcohol, stain removers, acetone, trichlorethylene, ammonia, bleach and detergents that contain bleach. Never use steam cleaners or scrubber dryers on a wooden floor.

Maintenance depends on intensity of the traffic on your floor, but we recommend at least an extensive cleaning and visual check once a year. When there are noticeable signs of wear, you will need to occasionally apply a product such as Sayerlack LINEA BLU, product code: HH8012/00 or any substitute as f.e. "Bona Freshen Up". This is easy to do with an applicator pad or suitable mop and will revive a scratched and dull surface and provide continued protection against wear. Your floor will need approximately 2 hours to dry after this kind of treatment.

SCRATCHES AND DAMAGED PIECES

It may occur that after time some pieces may be scratched or damaged. Pieces can always be replaced by skilled labor. **Professional Video Tutorial: <https://youtu.be/1q3pyVegTv8>**

Excessive wear and tear of the floor can be repaired by sanding the floor and revarnish it.

WE DO NOT RECOMMEND URETHANE FINISH ON FORÊT PLANKS

QUESTIONS AND CONCERNS

If there are any questions or concerns, please do not hesitate to contact us before or during installation and maintenance.

Call or e-mail for technical support. Oscar Ono shall not be responsible for results of installations made by others. We reserve the right to change specifications without notice.

**10 YEAR
WARRANTY**

10 YEAR WARRANTY

Oscar Ono warrants for a period of ten years from date of delivery that Oscar Ono engineered planks for walls and floors are free from structural defects which would make the flooring unfit for the use for which intended. Our only obligation during this warranty period is, at our sole option, to either repair, replace, refund or credit a portion of the purchase price of the flooring which may be defective. This warranty is void in the event of negligence, abuse, abnormal usage, misuse, accidents, improper installation, improper maintenance, or any circumstances or conduct beyond the control of Oscar Ono including but not limited to, job site conditions.

DOCUMENTS FOR CONTROL AGENCIES

CERTIFICATE OF CONFORMITY N° 181111-1EN

Product identification name: COLLECTION FORÊT
Product application: Technical wood flooring elements following EN 13489
Certificate Holder: Oscarono Paris
Manufacturer: Oscarono Paris
Applicable standard: EN 14343:2013
Date of issuance: January 2021

ASSOCIATED TECHNICAL DOCUMENTATION AND/OR SPECIFIC TECHNICAL DOCUMENTATION

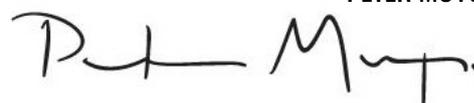
ESSENTIAL CHARACTERISTICS

PERFORMANCES

Reaction to fire:	CFL-S1	EN 13501
Characteristics enabling the classification: - Average minimum mass volume (Kg/m ³) - Minimal thickness (mm) - Conditions of application	Glued on subfloor	EN 14342 : 2013
Formaldehyde emission	E1	EN 717-1
Level of pentachlorophénol	PCP ≤ 5 ppm	-
Official usage class	31	NF EN 685
Emission other dangerous substances : - Emission COV - Emission CMR 1&2	Classe A+ < 1µg/m ³	ISO 16000
Thermal conductivity (W/m.K)	0,14	EN 14342 / Chapter 4.7
Thermal resistance (m ² .K/W)	0,092	EN 14342 / Chapter 4.7
Biologic durability	Risk classification 1	EN 335

The performances of the product identified above are conforme the declared performances. Following the EU rules n° 305/2011, the present declaration is established unther the responsibility of the mentionned manufacturer declared above.
Signed for the manufacturer: Peter MUYS - Director of the technical office Oscar Ono in Paris

PARIS, 11 NOVEMBRE 2018
PETER MUYS



8 rue Alibert
75010 Paris
France

RAPPORT DE CLASSEMENT EUROPEEN DE REACTION AU FEU

REACTION TO FIRE EUROPEAN CLASSIFICATION REPORT

N° RA19-0098

Notification par l'état français auprès de la commission européenne sous le n° 0679
Notification by the French government to the European commission under no. 0679

Norme Produit / Product standard

NF EN 14342:2013 « Planchers et parquet en bois - Caractéristiques, évaluation de conformité et marquage »

NF EN 14342:2013 "Wood flooring and parquet - Characteristics, evaluation of conformity and marking »

A la demande de :
Owner:

OSCAR ONO PARIS
8 rue Alibert
75010 PARIS
FRANCE

Marque(s) commerciale(s) :
Commercial brand(s):

Fôret – END GRAIN COLLECTION / OSCAR ONO EDITION

Description sommaire :
Brief description:

Revêtement de sol
Floor covering

Date du rapport :
Date of issue:

06 mai 2019
May 06th, 2019

Ce rapport de classement atteste uniquement des caractéristiques de l'objet soumis aux essais et ne préjuge pas des caractéristiques de produits similaires. Il ne constitue pas une certification de produits au sens du code de la consommation. Seul le rapport électronique signé avec un certificat numérique valide fait foi en cas de litige. Ce rapport électronique est conservé au CSTB pendant une durée minimale de 10 ans. La reproduction de ce rapport électronique n'est autorisée que sous sa forme intégrale. Il comporte 5 pages.

This classification report certifies only the characteristics of the object submitted for testing but does not prejudge the characteristics of similar products. So it does not constitute a product certification in the sense of the Consumer Code. Only the electronic report signed with a valid digital certificate is taken in the event of litigation. The electronic report is kept at CSTB for a minimum period of 10 years. The reproduction of this electronic report is only authorized in its integral form. Only the French version is authentic. It comprises 5 pages.

Rapport de classement / Classification report n° RA19-0098

1. Introduction / Introduction

Ce rapport de classement définit le classement attribué au(x) produit(s) précité(s) conformément aux procédures données dans la norme NF EN 13501-1+A1:2013.

This classification report defines the classification assigned to the above-mentioned product(s) in accordance with the procedures given in the NF EN 13501-1+A1:2013 standard.

2. Description du produit / Product description

Produit / Product	Revêtement de sol parquet contrecollé / Glued parquet floor covering
Ignifugation / Fire-retarding	Non / No
Mode de pose / Laying mode	Collé (colle polyuréthane à raison de 1 kg/m ²) Glued (polyurethane glue at the rate of 1 kg/m ²)
Support / Substrate	Support fibre-ciment classé A2 _f -s1 d'épaisseur 8 ± 2 mm A2 _f -s1 class fibre-cement substrate with a thickness of 8 ± 2 mm

Caractéristiques détaillées du produit / Detailed characteristics of the product:

Couche 1 Layer 1	Fonction / Function	Usure / Overlay
	Nature	Pavés debout en Chêne / Vertical Oak paving
	Épaisseur / Thickness	8 mm
Couche 2 Layer 2	Fonction	Support / Stability
	Nature	Contreplaqué en Bouleau / Birch plywood
	Épaisseur / Thickness	12 mm
Produit dans sa totalité Whole product	Masse surfacique Weght per unit area	16 kg/m ²
	Épaisseur / Thickness	20 mm
	Format / Size	Lames, avec format des pavés divers Strips, with various sizes of the pavings
	Coloris / Colour	Naturel / Natural

Rapport de classement / Classification report n° RA19-0098

3. Rapports d'essais et résultats d'essais en appui du classement
Test reports and test results in support of this classification

3.1 Rapports d'essais / Test reports

Nom du laboratoire <i>Name of laboratory</i>	Nom du demandeur <i>Name of sponsor</i>	Identification de l'essai <i>Test identification</i>	N° du rapport d'essai <i>Test report No.</i>	Méthode d'essai <i>Test method</i>
CSTB	OSCAR ONO PARIS 8 rue Alibert 75010 PARIS FRANCE	ES541190089	RA19-0098	NF EN ISO 11925-2:2013 NF EN ISO 9239-1:2013

3.2 Résultats d'essais / Test results

Méthode d'essai <i>Test method</i>	Produit <i>Product</i>	Nombre d'épreuves <i>Number of tests</i>	Paramètres <i>Parameters</i>	Résultats <i>Results</i>
				Paramètres conformité <i>Compliance parameters</i>
NF EN ISO 11925-2 Attaque de surface 15s d'exposition <i>15s surface exposure</i>	Fôret – END GRAIN COLLECTION / OSCAR ONO EDITION	6	Fs > 150 mm Papier filtre <i>Filter paper</i>	Non atteint <i>Not reached</i> Non enflammé <i>Not ignited</i>

Méthode d'essai <i>Test method</i>	Produit <i>Product</i>	Nombre d'épreuves <i>Number of tests</i>	Paramètres <i>Parameters</i>	Résultats <i>Results</i>
				Paramètres continus Moyennes <i>Continuous parameters Mean values</i>
NF EN ISO 9239-1	Fôret – END GRAIN COLLECTION / OSCAR ONO EDITION	3	Flux énergétique critique (kW/m ²) <i>Critical heat flux (kW/m²)</i> Production de fumées (%.min) <i>Smoke (%.min)</i>	6,86 5

4. Classement et domaine d'application / Classification and direct field of application

4.1 Référence du classement / Reference of the classification

Le classement est prononcé suivant la norme NF EN 13501-1+A1:2013.
This classification has been carried out in accordance with the NF EN 13501-1+A1:2013 standard.

4.2 Classement / Classification

Comportement au feu <i>Fire behaviour</i>		Production de fumées <i>Smoke production</i>
C_{fl}	-	s1

Classement / Classification : C_{fl} - s1

4.3 Domaine d'application / Field of application

Le classement est valable pour les paramètres produits suivants :

This classification is valid for the following product parameters:

Couche 1 <i>Layer 1</i>	Fonction / <i>Function</i>	Usure / <i>Overlay</i>
	Nature	Pavés debout en Chêne / <i>Vertical Oak paving</i>
	Épaisseur / <i>Thickness</i>	8 mm
Couche 2 <i>Layer 2</i>	Fonction	Support / <i>Stability</i>
	Nature	Contreplaqué en Bouleau / <i>Birch plywood</i>
	Épaisseur / <i>Thickness</i>	12 mm
Produit dans sa totalité <i>Whole product</i>	Masse surfacique <i>Weight per unit area</i>	16 kg/m ²
	Épaisseur / <i>Thickness</i>	20 mm
	Format / <i>Size</i>	Lames, avec format des pavés divers <i>Strips, with various sizes of the pavings</i>
	Coloris / <i>Colour</i>	Naturel / <i>Natural</i>

Le classement est valable pour les conditions d'utilisation finales suivantes :

This classification is valid for the following end use conditions:

Support <i>Substrate</i>	Collé (colle polyuréthane appliquée à raison de 1 kg/m ²) sur tout support de masse volumique ≥ 1350 kg/m ³ classé A2-s1, d0 ou A1 et d'épaisseur ≥ 6 mm <i>Glued (polyurethane glue applied at the rate of 1 kg/m²) on any A2-s1, d0 or A1 class substrate with a density ≥ 1350 kg/m³ and a thickness ≥ 6 mm</i>
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5. Limitations/ *Limitations*

Le présent document de classement n'est pas une approbation ni une certification de type du produit.
The present document does not represent type approval or certification of the product.

Le classement attribué au produit dans le présent rapport est approprié pour une déclaration de performance du fabricant dans le cadre d'une attestation de conformité du système 3 et pour le marquage CE dans le cadre du Règlement européen sur les Produits de Construction (règlement UE n° 305/2011).

Le fabricant a effectué une déclaration qui est archivée. Elle confirme que la conception du produit ne requiert aucun processus, aucune procédure ni étape spécifique (pas d'ajout d'ignifuges, limitation des matières organiques ni ajout de corps de remplissage) visant à améliorer la tenue au feu pour obtenir le classement atteint. Le fabricant a conclu, par conséquent, que l'attestation du système 3 est appropriée.

Le laboratoire d'essai n'a, par conséquent, joué aucun rôle dans l'échantillonnage du produit pour l'essai, bien qu'il conserve les références appropriées, fournies par le fabricant pour assurer la traçabilité des échantillons soumis à essai.

The classification assigned to the product in this report is appropriate to a declaration of performance by the manufacturer within the context of system 3 attestation of conformity and CE marking under the European Construction Products Regulation (regulation UE no. 305/2011).

The manufacturer has made a declaration, which is held on file. This confirms that the products design requires no specific processes, procedures or stages (e.g. no addition of flame-retardants, limitation of organic content, or addition of fillers) that are aimed at enhancing the fire performance in order to obtain the classification achieved. As a consequence the manufacturer has concluded that system 3 attestation is appropriate.

The test laboratory has, therefore, played no part in sampling the product for the test, although it holds appropriate references, supplied by the manufacturer, to provide for traceability of the samples tested.

Fait à Champs-sur-Marne, le 06 mai 2019
Prepared at Champs-sur-Marne, May 06th, 2019

**Le Chef du Laboratoire
Réaction au Feu
The Head of Reaction to Fire
Laboratory**



Signature numérique de
NICOLAS ROURE

Nicolas ROURE

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