



SAWN TIMBER & ELEMENTS



 **FLORIAN**

FLORIAN SYSTEM®

EUROPEAN OAK		
<p>Prime</p> 	<p>Select & Better</p> 	<p>One face</p> 
<p>Character</p> 	<p>Rustic</p> 	

WALNUT		
<p>Super Prime</p> 	<p>Prime One Face</p> 	<p>Rustic</p> 

EUROPEAN ASH		
<p>Super Prime White</p> 	<p>Prime White One Face</p> 	<p>Prime CND</p> 
<p>Cabinet 1</p> 	<p>Cabinet 2</p> 	

EUROPEAN BEECH

Special S



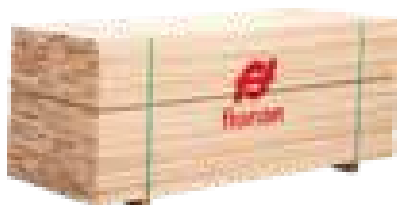
Special One Face



Special CND



Special Cabinet



Special Cabinet CND



EUROPEAN BASSWOOD

Super Prime White



Prime CND

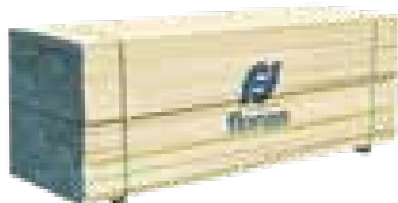


Cabinet CND

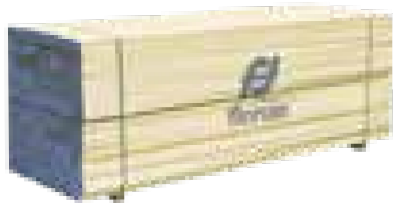


POPLAR

Super Prime White



Prime CND



Cabinet CND



Florian implemented a **new product classification** to achieve a wider and more global recognition.

This with the specific purpose of **clarifying, rationalizing and making the work method even more effective.**

A well-defined program aimed at promoting and enhancing Florian growth even more.

To tackle new challenges and markets with transparency and efficiency.

EUROPEAN OAK

THICKNESSES	LENGTHS
Available from 22 mm to 100 mm	Random



SPECIAL DIMENSIONS				
SHORTS boards wider than 100 mm and length from 900 up to 2000 mm > extra wide	XW boards wider than 240 mm and length from 2100 up to 3500 mm > extra wide	XL boards length longer than 4100 mm > extra long	XWL boards wider than 240 mm and length from 3600 up to 4100 mm > extra wide & long	XWXL boards wider than 240 mm and length longer than 4200 mm > extra wide & extra long



Prime

- Prime is predominantly defects free. However, limited trace of sap is accepted.
- Small natural tiny pin knots so popular in european oak is also accepted.





Select & Better

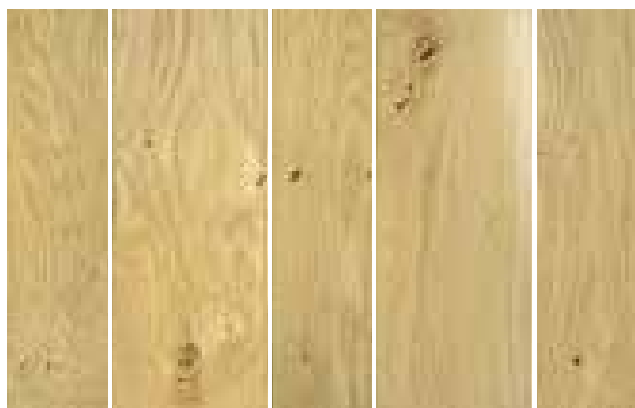
- Quality composed of 60% Prime quality and 40% Character and One face quality
- No heart



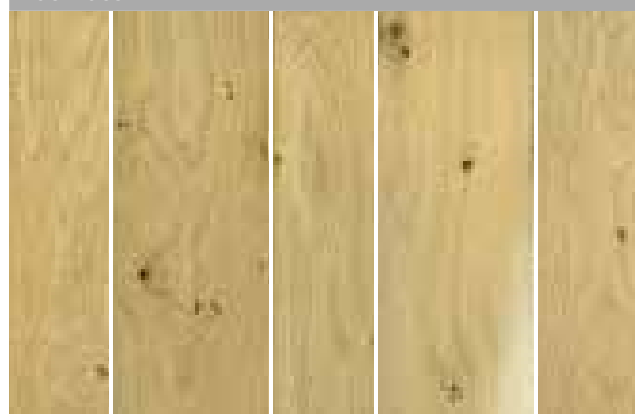
One Face

- Front face is predominantly defect free
- On back face sap and limited defects are allowed





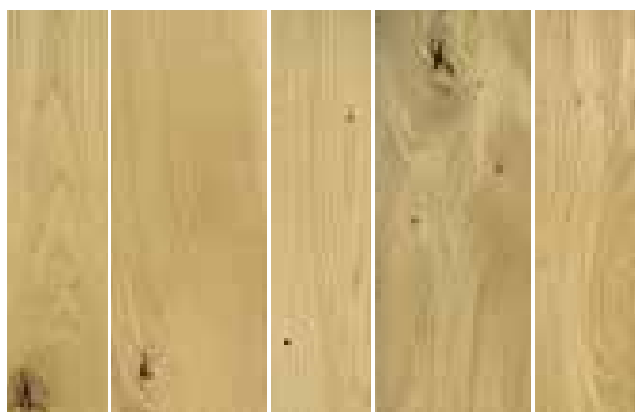
Front face



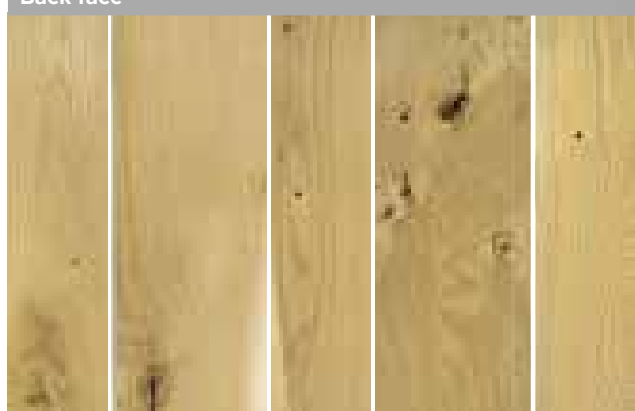
Back face

Character

- Sap creeping on the edges and very limited on both faces. Small sound and live knots of 30mm diameter maximum.
- No heart.



Front face



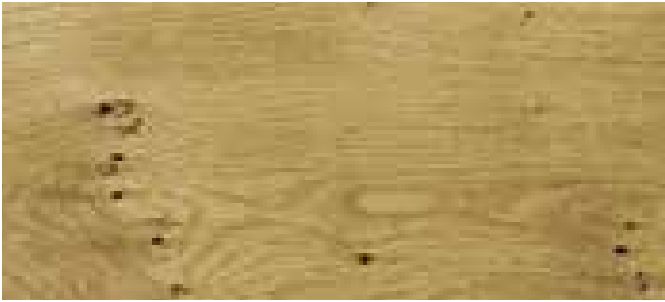
Back face

Rustic

- All oak natural defects are allowed. Presence on each face of knots without limitation, mainly live with occasional dead knots.
- Heart trace is accepted.
- Special bespoke grades such as heavy rustic can be sorted on demand.

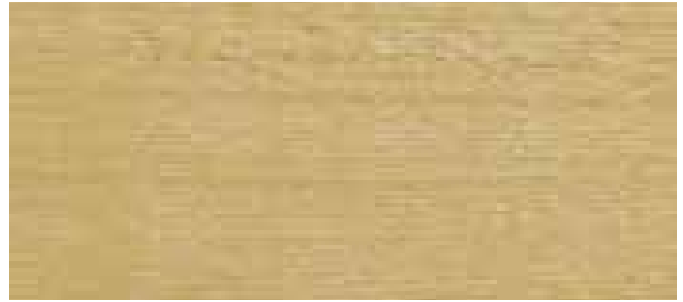


SPECIALITIES



PIPPY OAK

Limited production for medium and heavy pippy oak is available. This quality is available square edged and surfaced only to guaranty 100% pippy.



QUARTER SAWN

Prime quarter sawn euro oak available through the range of thicknesses surfaced or rough sawn.

OAK PRODUCT SHEET

SCIENTIFIC NAME

Quercus robur - Quercus petraea

TONALITY

Yellow sapwood and brown heartwood, characterized by parenchyma rays

HISTOLOGICAL STRUCTURE

Straight and sometimes helicoidal grain
Fine and uniform texture

MAIN USES

It is extremely versatile and can be used for solid and laminated furniture, flooring, doors, chipwood and plywood. Additionally, it can be used for musical instruments, domestic wood ware, packages, crates and boxes.

WORKING PROPERTIES

Sawing is easy, drying is slow, with special attention to wrap; planning is easy, gluing, nailing and screwing are trouble free; finishing confers excellent results and can adopt almost every tone.

ESSENTIAL FEATURES

Density 1080 kg/m³ green-820 kg/m³ dried

Shrinkage Radial 5,7%, Tangential 9,6 %

Modulus of Elasticity 10600-13700 MPa

Tensile Strength 88-110 MPa

Compressive Strength 29-84,5 MPa

Shear Strength 9,3-11,5 MPa

Flexural Strength 53-153 MPa

Biological Durability Classes: 2-4 Fungi, D Anobium, M Termite

Impregnation Classes: 4 Heartwood, 1 Sapwood

WALNUT

THICKNESSES	LENGTHS
Available from 22 mm to 100 mm	Random



SPECIAL DIMENSIONS				
SHORTS boards wider than 100 mm and length from 900 up to 2000 mm > extra wide	XW boards wider than 240 mm and length from 2100 up to 3500 mm > extra wide	XL boards length longer than 4100 mm > extra long	XWL boards wider than 240 mm and length from 3600 up to 4100 mm > extra wide & long	XWXL boards wider than 240 mm and length longer than 4200 mm > extra wide & extra long



Super Prime

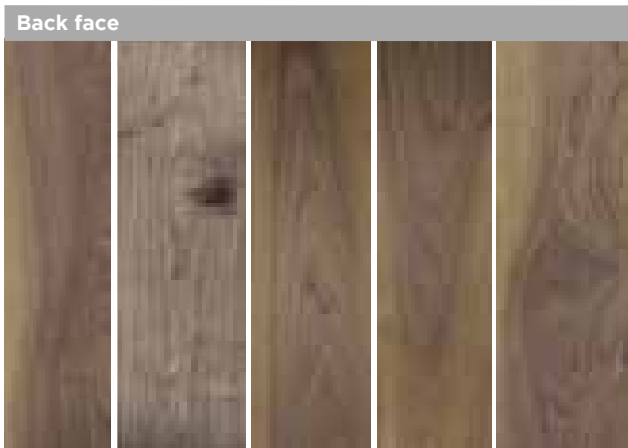
27mm & 33mm thickness boards

- Predominantly knot-free
- Front face minimum 90% clear
- Back face minimum 70% clear

40-52-65-80 mm thickness boards

- Predominantly knot-free
- Front face minimum 90% clear
- Back face minimum 80% clear

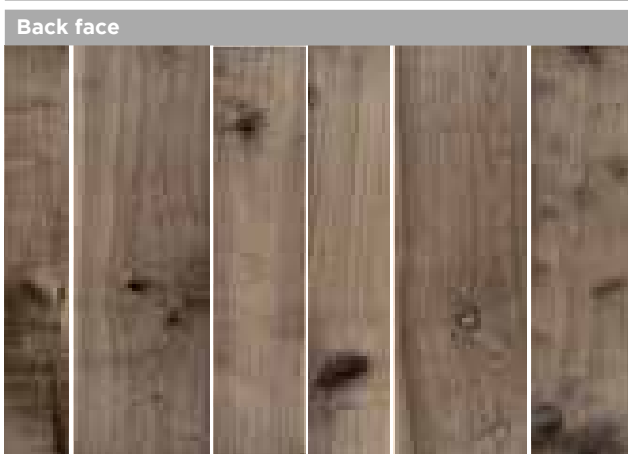


**Front face****Back face**

Prime One Face

27-33-40-52 mm thickness boards only

- Predominantly one face knot-free
- Front face minimum 90% clear
- Back face allows unlimited sap and colour distortion

**Front face****Back face**

Rustic

- Live knots are predominant with occasional dead and/or open knots



WALNUT PRODUCT SHEET

SCIENTIFIC NAME

Juglans Nigra L.

TONALITY

Sapwood is creamy white and slightly different, heartwood varies from light brown to chocolate brown, sometimes it presents purplish shades and darker stripes

HISTOLOGICAL STRUCTURE

Straight and sometimes wavy grain
medium texture

MAIN USES

It is extremely versatile and can be used for solid and laminated furniture, flooring, doors, chipwood and plywood. Additionally, it can be used for musical instruments, domestic wood ware, packages, crates and boxes. It is often combined with clear wood species to create a better and shaded match.

WORKING PROPERTIES

Sawing is easy, drying is slow, with a risk of collapse; planing is easy, gluing, nailing and screwing are trouble free; finishing confers excellent results.

ESSENTIAL FEATURES	
Density	650 kg/m³
Shrinkage	Radial 4,3%, Tangential 6,4 %, Volumetric 12,8%
Modulus of Elasticity	11600 MPa
Tensile Strength	4,8 MPa
Compressive Strength	46-63 MPa
Shear Strength	7,0-8,9 MPa
Flexural Strength	92-118 MPa
Biological Durability	Classes: 3 Fungi, n/d Anobium, n/d Termite
Impregnation	Classes: 3-4 Heartwood, 1 Sapwood

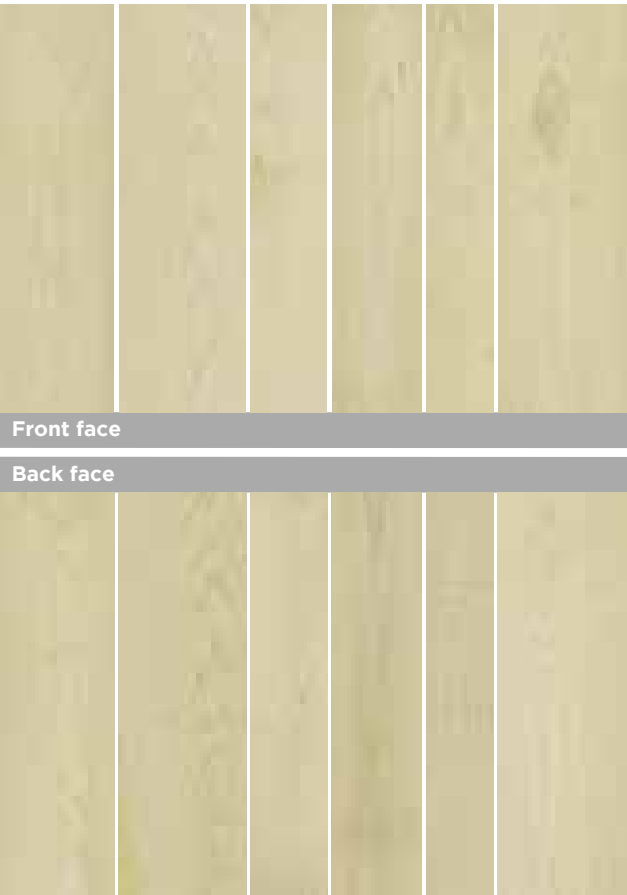


EUROPEAN ASH

THICKNESSES	LENGTHS
Available from 22 mm to 100 mm	Random



SPECIAL DIMENSIONS				
SHORTS boards wider than 100 mm and length from 900 up to 2000 mm > extra wide	XW boards wider than 240 mm and length from 2100 up to 3500 mm > extra wide	XL boards length longer than 4100 mm > extra long	XWL boards wider than 240 mm and length from 3600 up to 4100 mm > extra wide & long	XWXL boards wider than 240 mm and length longer than 4200 mm > extra wide & extra long



Super Prime White

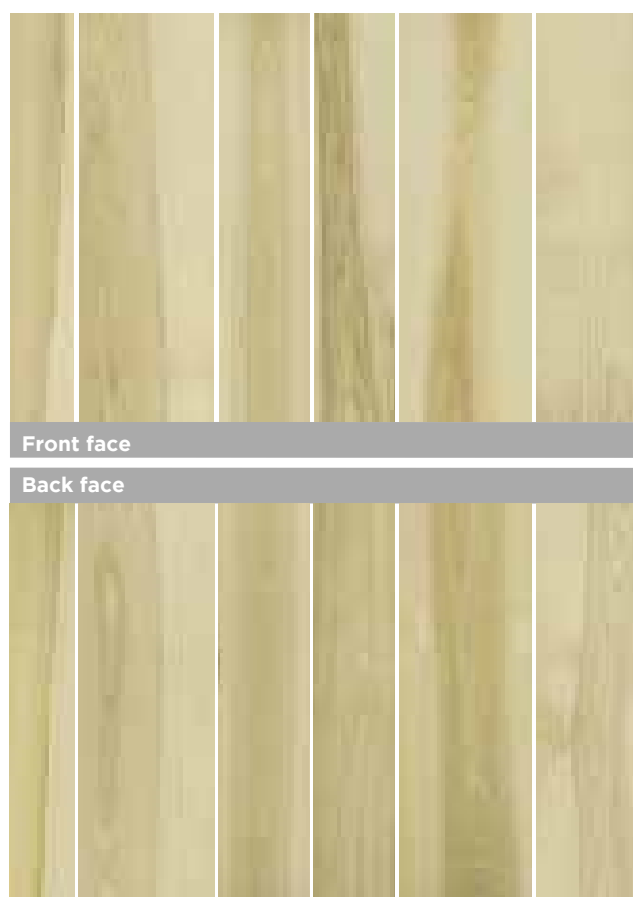
- Material selected by color.
- Almost all the boards are very white.
- Allowed occasionally trace of brown heart.
- Predominantly knots-free.





Prime White One Face

- Selected by color. Minimum one face white color selected is guaranteed.
- Predominantly knots-free on the sorted face.



Prime CND

- Material not selected by color.
- The heart is not considered a defect.





Cabinet 1

- Selected by color. Minimum one face white color selected is guaranteed.
- Predominantly knots-free on the sorted face.



Cabinet 2

- Material not selected by color.
- The heart is not considered a defect.



ASH PRODUCT SHEET

SCIENTIFIC NAME

Fraxinus Excelsior L.

TONALITY

Sapwood and heartwood are slightly different, predominantly light colours or light brown, which tends to become darker with seasoning and drying

HISTOLOGICAL STRUCTURE

Straight and sometimes helicoidal grain
Fine and uniform texture

MAIN USES

It is extremely versatile and can be used for solid and laminated furniture, flooring, doors, chipwood and plywood. Additionally, it can be used for musical instruments, domestic wood ware, packages, crates and boxes.

WORKING PROPERTIES

Sawing is easy, drying is slow, with special attention to wrap; planing is easy, gluing, nailing and screwing are trouble free; finishing confers excellent results and can adopt almost every tone.

ESSENTIAL FEATURES

Density 960 kg/m³ green, 720 kg/m³ dried

Shrinkage Radial 5,0%, Tangential 7,8 %

Modulus of Elasticity 10700-14800 MPa

Tensile Strength 130-160 MPa

Compressive Strength 31-67 MPa

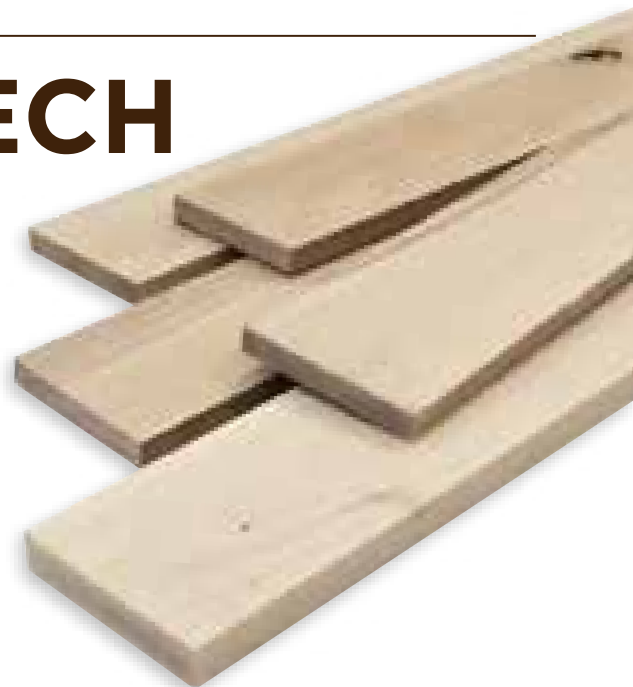
Shear Strength 7-11 MPa

Flexural Strength 86-127,5 MPa

Biological Durability Classes: 5 Fungi, S Anobium, S Termite

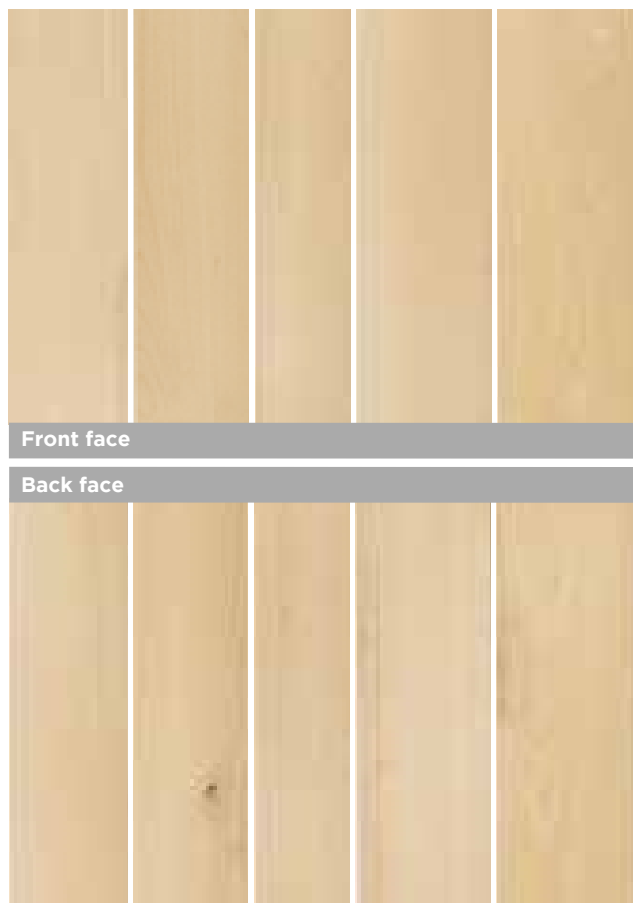
Impregnation Classes: 2 Heartwood, 2 Sapwood

EUROPEAN BEECH



THICKNESSES	LENGTHS
26 mm / 4/4" (23,8 mm)	2050 mm / 6,7'
33 mm / 5/4" (29,5 mm)	2200 mm / 7,2'
38 mm / 6/4" (36 mm)	2450 mm / 8'
46 mm / 7/4" (43 mm)	2750 mm / 9'
52 mm / 8/4" (48,5 mm)	3100 mm / 10,1'
65 mm / 10/4" (63 mm)	3400 mm / 11,1'
78 mm / 12/4" (74,5 mm)	3800 mm / 12,4'
	4100 mm / 13,4'

SPECIAL DIMENSIONS				
SHORTS boards wider than 100 mm and length from 900 up to 2000 mm > extra wide	XW boards wider than 240 mm and length from 2100 up to 3500 mm > extra wide	XL boards length longer than 4100 mm > extra long	XWL boards wider than 240 mm and length from 3600 up to 4100 mm > extra wide & long	XWXL boards wider than 240 mm and length longer than 4200 mm > extra wide & extra long



Special S

- Top-quality ideal long-length applications.
- Special S Beech Timber offers a very high yield.
- Predominantly defect free.





Special One Face

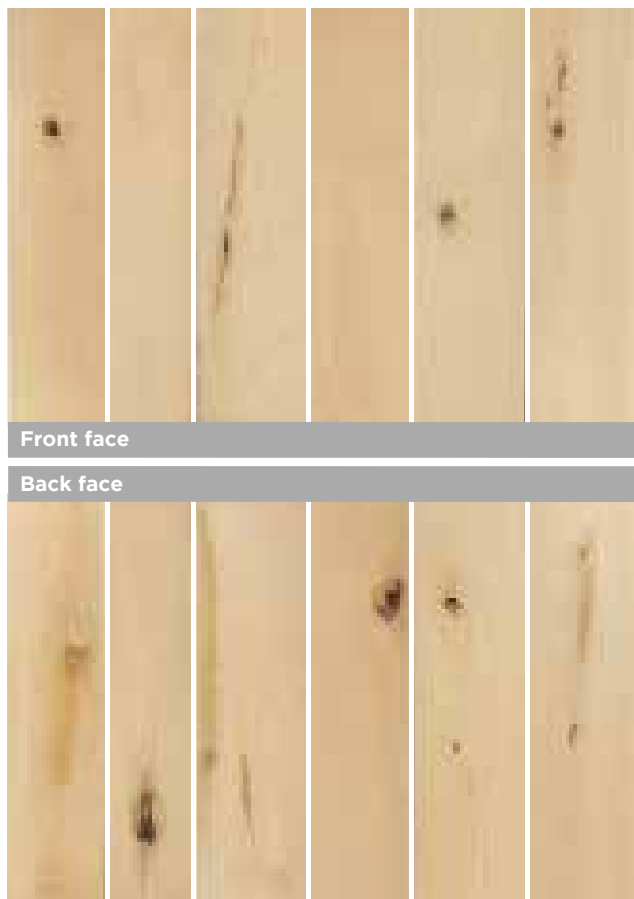
- Front face is predominantly defects free
- No restrictions on the back face



Special CND

- One face predominantly knots-free.
- Material not selected by color.





Special Cabinet

- Through & through knots are allowed.
- Material selected by color.



Special Cabinet CND

- Through & through knots are allowed.
- Material not selected by color.



SPECIALITIES



SPECIAL UNSTEAMED

Special S can be supplied unsteamed on demand.

BEECH PRODUCT SHEET

SCIENTIFIC NAME

Fagus Sylvatica L.

TONALITY

White yellowish for the green one, more or less intense pinkish to light-brown for the dried one

HISTOLOGICAL STRUCTURE

Grain: straight, sometimes helicoidal
Texture: fine and uniform

MAIN USES

It is extremely versatile and can be used for solid and laminated furniture, flooring, doors. Additionally, it can be used for musical instruments, domestic wood ware, packages, crates and boxes.

WORKING PROPERTIES

Sawing is easy, drying is slow, with special attention to warp; with a humid environment it is more flexible and subject to fungi attacks that might alter the color; planing is easy, gluing, nailing and screwing are trouble free; finishing confers excellent results and can adopt almost every tone.

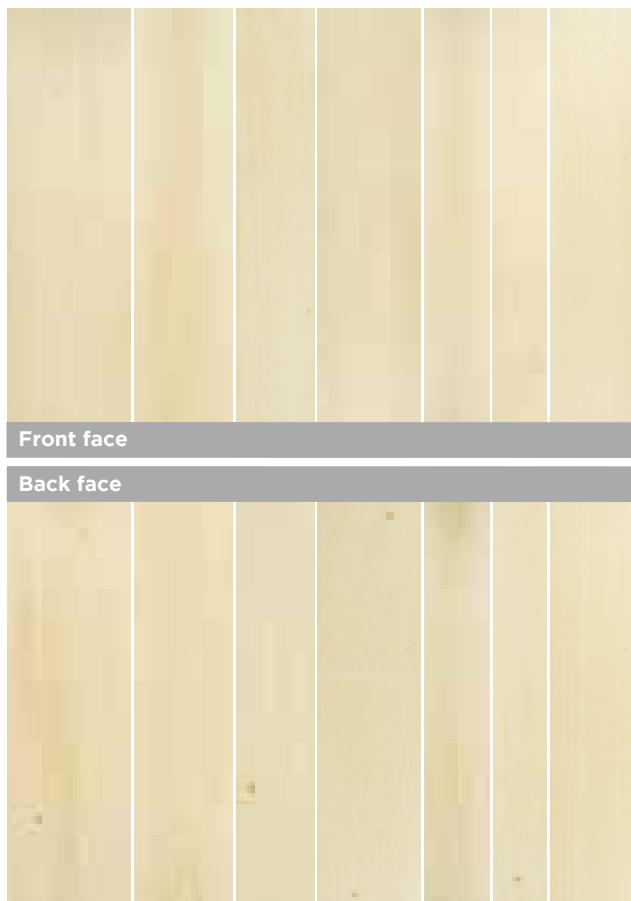
ESSENTIAL FEATURES	
Density	730 kg/m³ dried- 1050 kg/m³ green
Shrinkage	Radial 5,5%, Tangential 11,9 %
Modulus of Elasticity	8350- 19400 MPa
Tensile Strength	130-160 MPa
Compressive Strength	38-78,5 MPa
Shear Strength	7-10,3 MPa
Flexural Strength	68-149 MPa
Biological Durability	Classes: 5 Fungi, S Anobium, S Termite
Impregnation	Classes: 1v Heartwood, 1 Sapwood

EUROPEAN BASSWOOD



THICKNESSES	LENGTHS
26 mm / 4/4" (23,8 mm)	2050 mm / 6,7'
33 mm / 5/4" (29,5 mm)	2200 mm / 7,2'
38 mm / 6/4" (36 mm)	2450 mm / 8'
52 mm / 8/4" (48,5 mm)	2750 mm / 9'
	3100 mm / 10,1'
	3400 mm / 11,1'
	3800 mm / 12,4'
	4100 mm / 13,4'

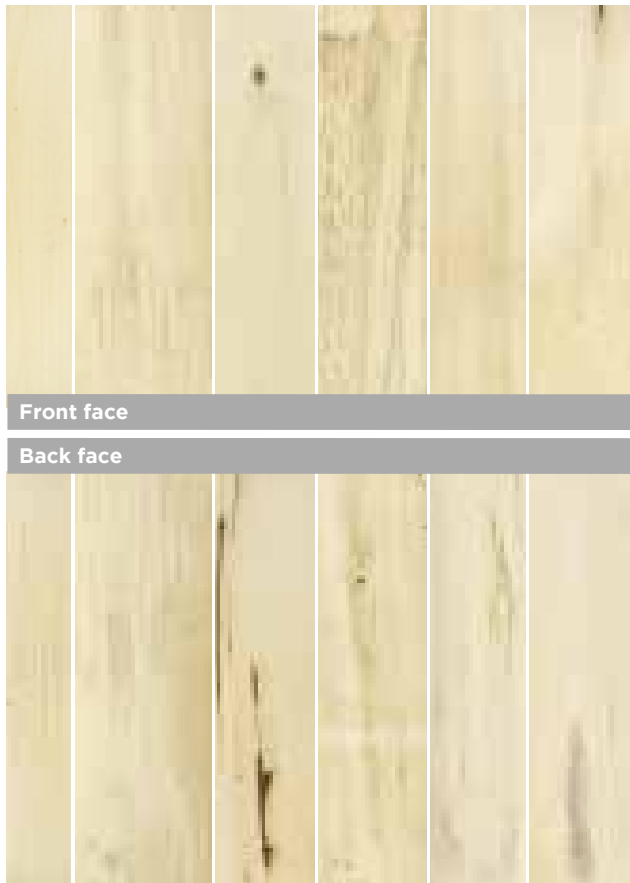
SPECIAL DIMENSIONS				
SHORTS boards wider than 100 mm and length from 900 up to 2000 mm > extra wide	XW boards wider than 240 mm and length from 2100 up to 3500 mm > extra wide	XL boards length longer than 4100 mm > extra long	XWL boards wider than 240 mm and length from 3600 up to 4100 mm > extra wide & long	XWXL boards wider than 240 mm and length longer than 4200 mm > extra wide & extra long



Super Prime White

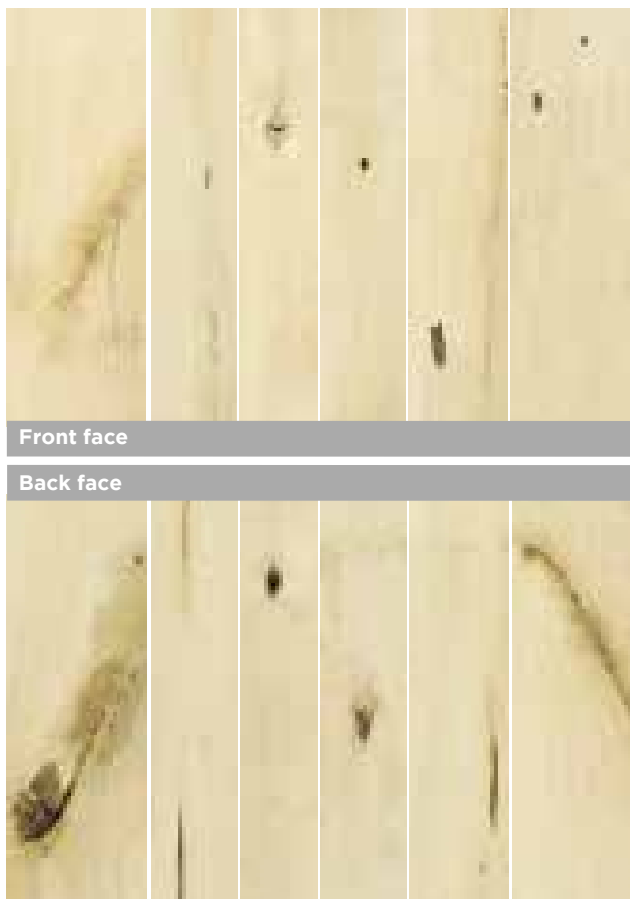
- Material selected by color.
- Almost all boards are white.
- Allowed 10% defects on back face.





Prime CND

- Material not selected by colour.
- Heart is not a defect.



Cabinet CND

- Material with knots and not selected by colour.
- Heart is not a defect



BASSWOOD PRODUCT SHEET

SCIENTIFIC NAME

Tilla cordata Mill

TONALITY

Sapwood and heartwood are not well differentiated; in general it has light colours, but it shows frequently greenish stains and colour variations; it is inclined to get stained coming into contact with metals

HISTOLOGICAL STRUCTURE

Straight grain
Fine and uniform texture

MAIN USES

It is extremely versatile and can be used for sculptures and carving works, furniture and carpentry, decorative veneering. Additionally, it can be used for playthings, broomsticks, piano keys, paintbrush, kitchen and domestic utensils, shoes sole.

WORKING PROPERTIES

Sawing and drying are easy; planning is easy, gluing, nailing and screwing are trouble free; finishing is good.

ESSENTIAL FEATURES	
Density	900 kg/m³ green, 650 kg/m³ dried
Shrinkage	Radial 6,6%, Tangential 9,3 %
Modulus of Elasticity	7000-11000 MPa
Tensile Strength	83-89 MPa
Compressive Strength	31,5-59 MPa
Shear Strength	4.4 MPa
Flexural Strength	73,5-110 MPa
Biological Durability	Classes: 5 Fungi, n/d Anobium, S Termite
Impregnation	Classes: 1 Heartwood, 1 Sapwood

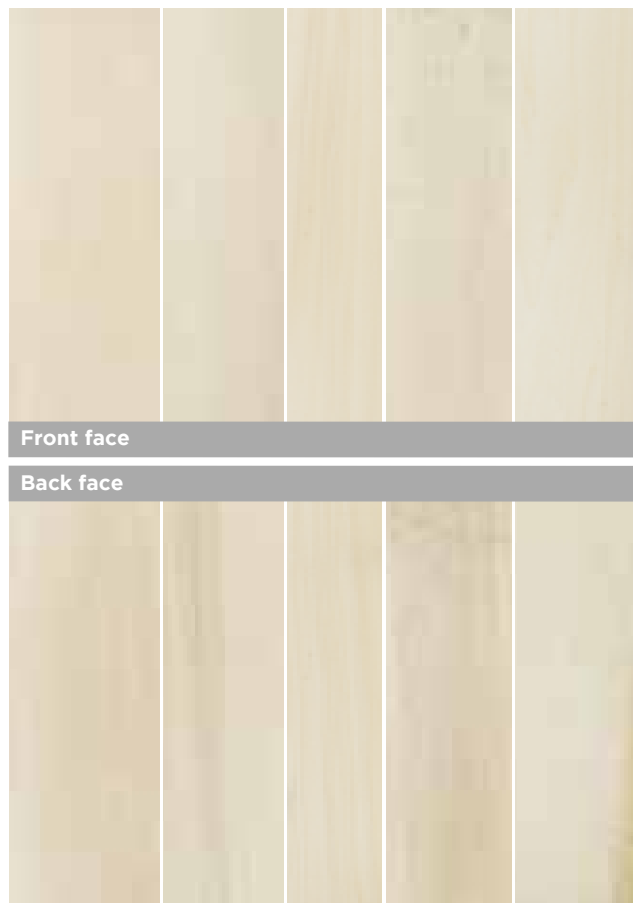


EUROPEAN POPLAR

THICKNESSES	LENGTHS
26 mm / 4/4" (23,8 mm)	2050 mm / 6,7'
33 mm / 5/4" (29,5 mm)	2200 mm / 7,2'
38 mm / 6/4" (36 mm)	2450 mm / 8'
52 mm / 8/4" (48,5 mm)	2750 mm / 9'
	3100 mm / 10,1'
	3400 mm / 11,1'
	3800 mm / 12,4'
	4100 mm / 13,4'



SPECIAL DIMENSIONS				
SHORTS boards wider than 100 mm and length from 900 up to 2000 mm > extra wide	XW boards wider than 240 mm and length from 2100 up to 3500 mm > extra wide	XL boards length longer than 4100 mm > extra long	XWL boards wider than 240 mm and length from 3600 up to 4100 mm > extra wide & long	XWXL boards wider than 240 mm and length longer than 4200 mm > extra wide & extra long



Super Prime White

- Material selected by color.
- Almost all boards are white.
- Allowed 10% defects on back face.





Prime CND

- Material not selected by colour.
- Heart is not a defect.



Cabinet CND

- Material with knots and not selected by colour.
- Heart is not a defect



POPLAR PRODUCT SHEET

SCIENTIFIC NAME

Populus x euramericana Guinier

TONALITY

Light colour, with just few grains

HISTOLOGICAL STRUCTURE

Straight grain

Medium to rough texture

MAIN USES

It is extremely versatile and can be used for sculptures and carving works, furniture and carpentry, decorative veneering. Additionally, it can be used for playthings, broomsticks, piano keys, paintbrush, kitchen and domestic utensils, shoes sole.

WORKING PROPERTIES

Sawing is easy, drying is difficult with possible non-uniform drying; planing is easy, gluing, nailing and screwing are trouble free; finishing is good.

ESSENTIAL FEATURES

Density 760 kg/m³ green- 340 kg/m³ dried

Shrinkage Radial 4,6%, Tangential 8,2 %

Modulus of Elasticity 6350-9150 MPa

Tensile Strength 69-76 MPa

Compressive Strength 21,5-41 MPa

Shear Strength 2,1-4,9 MPa

Flexural Strength 39-69 MPa

Biological Durability Classes: 5 Fungi, S Anobium, S Termite

Impregnation Classes: 3v Heartwood, 1v Sapwood



FLORIAN SYSTEM®

EUROPEAN OAK

QF 1A 	QF 1AX 	QF 2/3 
QF 3/4 	QF 4XX 	

EUROPEAN ASH

4FW 	4F CND 	
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WALNUT

W1A 	W1AX 	W1AXX 
W2XX 		

EUROPEAN OAK



QF 1A

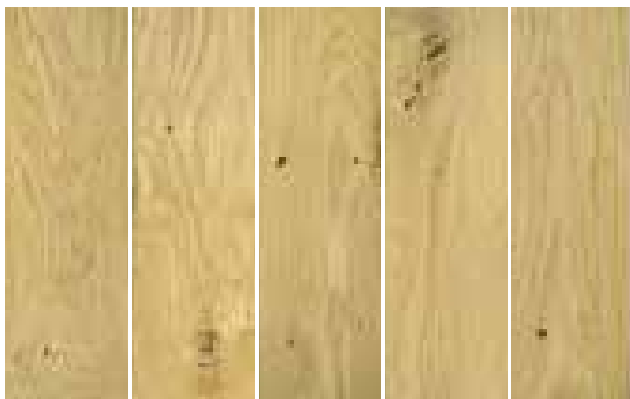
- The top grade.
- Predominantly defects free.



QF 1AX

- One face is predominantly defects free.
- On back face sap and limited defects are allowed.





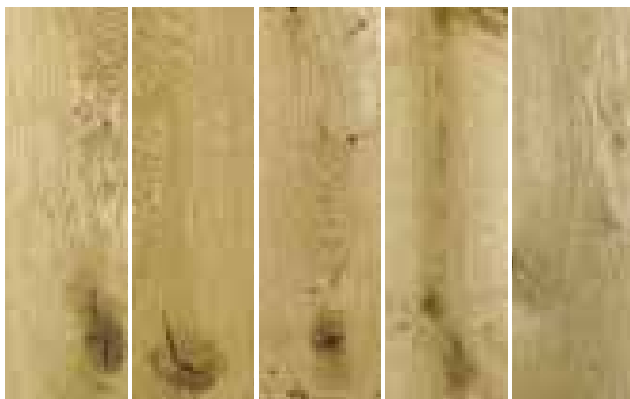
Front face



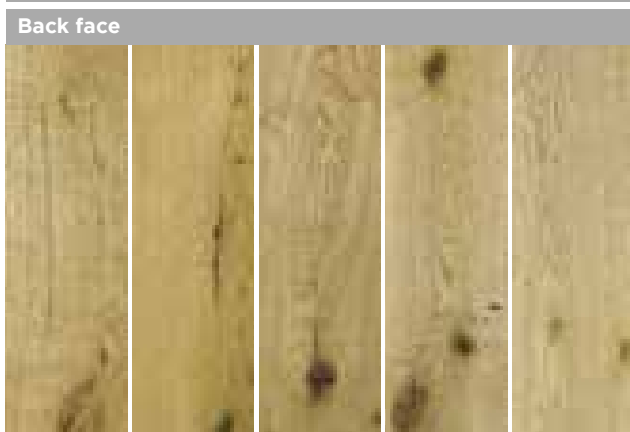
Back face

QF 2/3

- Sap creeping on the edges and very limited on both faces. Small sound and live knots of 30mm diameter maximum.
- No heart.



Front face

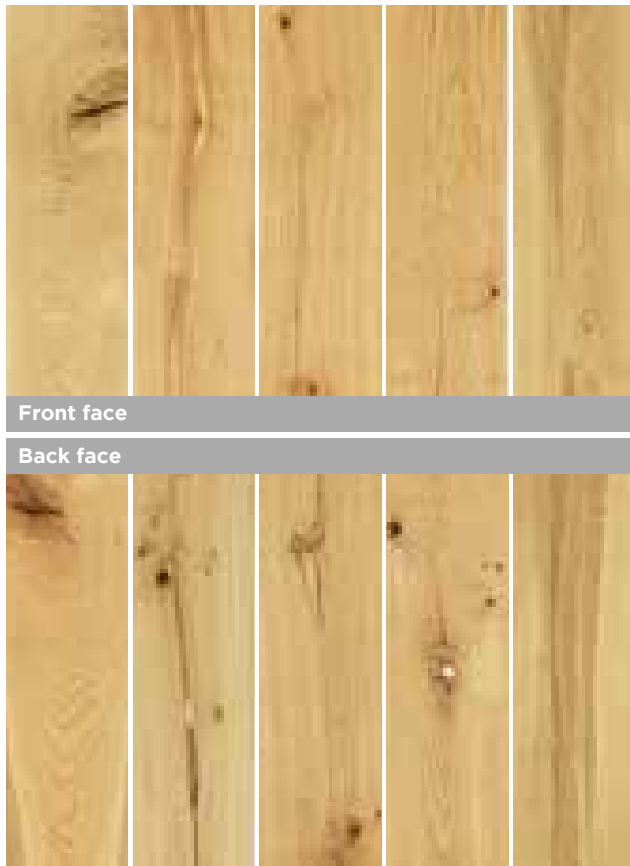


Back face

QF 3/4

- Knots of max 70 mm diameter are permitted.
- Live knots are predominant with occasional dead and/or open knots.
- Trace of heart is allowed, sound sap allowed but limited to one face and or edges.





QF 4XX

- All defect are allowed: unlimited knots, sap, cracks, discoloration.



EUROPEAN ASH



4FW

- Material selected by color and almost all boards are very white.
- Predominantly knots free.

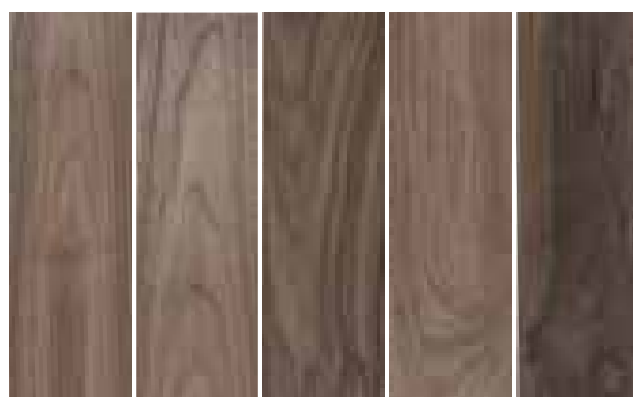


4F CND

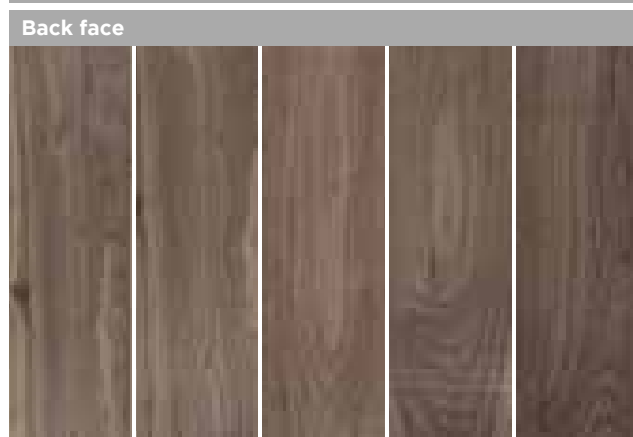
- Material not selected by color.
- Heart is not considered a defect.



WALNUT



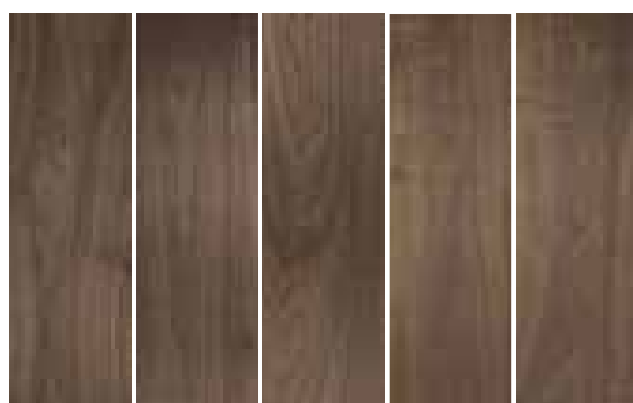
Front face



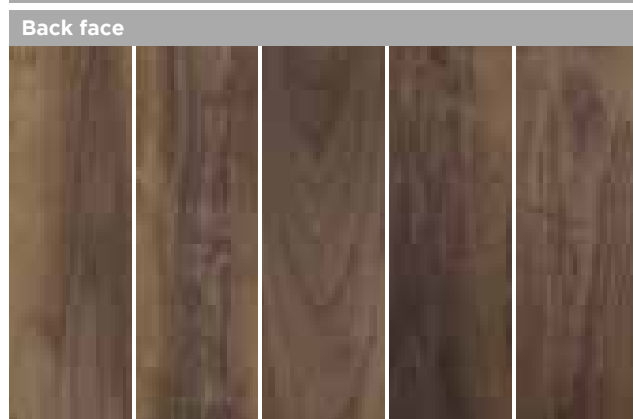
Back face

W1A

- The top grade.
- Predominantly defect free.



Front face

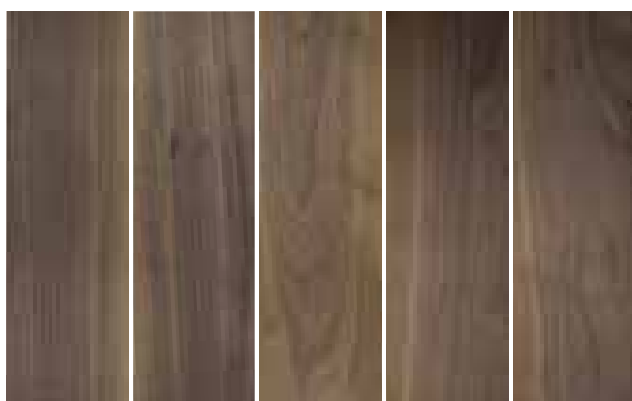


Back face

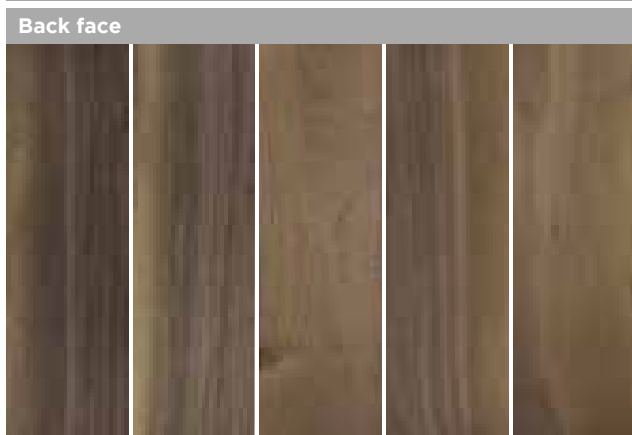
W1AX

- Front face predominantly defects free.
- Back face allows unlimited sap and color distortion.





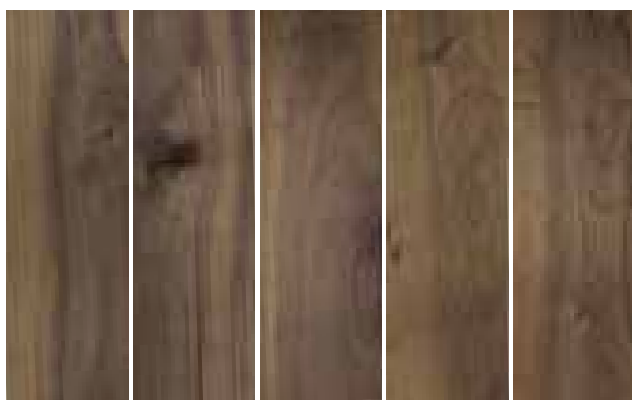
Front face



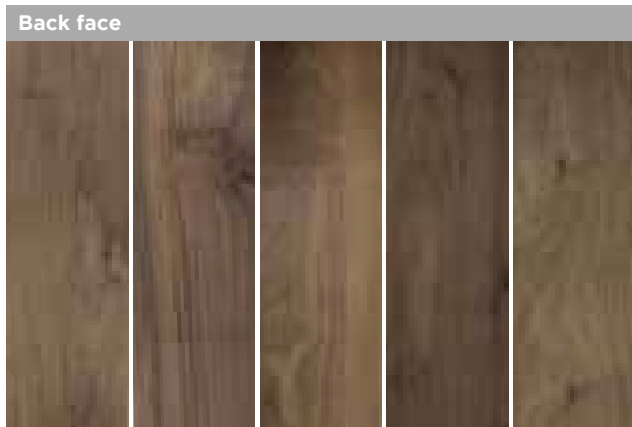
Back face

W1AXX

- Sap allowed on both faces.
- Small sound knots allowed.



Front face



Back face

W2XX

- Live knots are predominant with occasional dead end/or open knots.
- Sap allowed on both faces.



SPECIALTIES OF ELEMENTS



SQUARES




Squares are produced on demand. Can be supplied in different qualities and dimensions.



CUT TO SIZE

Cut to size & bespoke orders are available through the range of thicknesses and grades.



     	      
   	   <div>www.florianinc.com</div>