



Premium
Wood Producer

Quality you can Touch

Our dedication to innovation and cutting-edge technology is the core force that drives our organisation forward - be it in terms of developing a superior product, achieving streamlined production processes and creating timely delivery systems.



 **gramex**

www.gramex-eu.com

About us

Established in February 2000, what started as a family business with a modest beginning, „Gramex“ ,is evolved into one of the leading suppliers of Bosnian wood worldwide.

Gramex facilities are ideally placed in the heart of the capital Sarajevo-Bosnia and Herzegovina to take maximum advantage of proximity to some of the best forests in the world.

We are specialized in processing and sourcing of softwood & hardwood , besides our production facilities, main offices are located in Sarajevo (B&H) 60% of Bosnia & Herzegovina, 2.7 million hectares is covered by forests that have the finest quality of wood in Europe. It is famous worldwide for it's timbers such as Beech, Ash, Oak, Pine and White wood.

We are sourcing and trading from sawmills only located in the Balkan area . Since year 2000, the perfect union between specialization and quality control management has made our company one of the most respected timber manufacturers and traders in our area.

Our products are exported across the globe, with main markets being Europe, Middle East, and Far East. Our products are sorted according to European standards.

We are fully committed to environmental protection and all our systems are geared towards this with 100% FSC certified material.





Our Philosophy and Principles

We are well aware that our success and growth in recent years must be credited to both, our clients and our team. „Gramex“ is dedicated to provide value added services and cost driven strategies that benefit our customers, making us more trustworthy choice .

Our products are manufactured with highest standards and flaunt their superiority over many other brands due to the high density and strength as well as rigorous quality parameters.

Gramex has many future projects in the anvil like manufacturing semi-finished, finished products and Pellet producing lines.

Production

First Sawmill:

Covers an area of about 12000 sq. mts, which is well suited in Bilalovac-Kiseljak which is located 45 km north-west of Sarajevo - road Kiseljak-Busovaca, for stocking over 15,000 CBM of hardwood logs and lumber, with kiln drying capacity of 400 CBM.

Second Sawmill:

Covers about 25000 sq.mts area, in the heart of the city Konjic where we cut app. 20.000 CBM of the best bosnian beech logs annually, together with 1000 CBM of kiln drying capacity.

Third Sawmill is currently Under Construstion.



Your stable & long-term reliable business partner.



Continuously improving technologies & timely Delivery system.



Accurate cutting, premium klin drying & flexible sizes.



Production



People demand on forests to live and that's why we care to protect forests for future generations.

We provide Fsc certified products which come from responsibly managed forests that provide enviromental, social and economic benefits.



Production

Production

Bosnian beech is one of the best beech in the world and it's known by it's workability, durability and strength.

We specialized oursevles in processing **beech wood**.

The sawmills are managed by teams of eager, knowledgeable, and competitive personnel.

We are fully committed to environmental protection and all our systems are geared towards this.



BEECHWOOD GRADING:

LONG SIZES

SUPERIOR A BEECH TIMBER

4 FACES FREE OF KNOTS AND COLOUR / WEAKER FACE SMALL KNOTS UP TO 10mm diameter , no colour

Lenghts (mm): 2100+

Widths: 150mm+ (80 -140mm/ 15% allowed);

Thickness: 52mm/26mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



SUPERIOR 1F BEECH TIMBER

3 FACES FREE OF KNOTS AND COLOUR / WEAKER FACE KNOTS AND COLOUR

Lenghts: 2100+

Widths: 150mm+ (80 -140mm/ 15% allowed);

Thickness: 52mm/26mm

Twisting is not Allowed, Bending on length max. 1%.

Widths: 150mm+ (80 -140mm/ 15% allowed);

Thickness: 52mm/26mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



SUPERIOR A COLOUR BEECH TIMBER

1-3 FACES COLOUR WITHOUT KNOTS / WEAKER FACE KNOTS AND COLOUR

Lenghts: 2100+

Widths: 150mm+ (80 -140mm/ 15% allowed);

Thickness: 52mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



CABINET COLOUR BEECH (1 Common)

BOTH FACES KNOTS AND/OR COLOUR / 1 PENETRATED KNOT EACH 1 meter

Lengths: 2000+

Widths: 100mm+ (80 -90mm/ 15% allowed);

Thickness: 52mm

FRONT



BACK



SHORT SIZES

SUPERIOR A BEECH

4 FACES FREE OF KNOTS AND COLOUR / WEAKER FACE SMALL KNOTS UP TO 10mm diameter , no colour

Lengths: 1000 – 2000 mm.

Widths: 100 mm+ (80-90mm / 10% ALLOWED)

Thickness: 52mm/26mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



SUPERIOR A COLOUR BEECH TIMBER

3 FACES FREE OF KNOTS AND COLOUR / WEAKER FACE SMALL KNOTS UP TO 10mm diameter

Lengths: 1000 – 2000 mm.

Widths: 100 mm+ (80-90mm / 10% ALLOWED)

Thickness: 52mm/26mm

FRONT



BACK



AB COMMON

1 FACE COLOUR WITHOUT KNOTS / WEAKER FACE KNOTS AND COLOUR

Lengths: 1000 – 2000 mm.

Widths: 70 mm+

Thickness: 52mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



SUPER SHORT SIZES

SUPERIOR A BEECH

4 FACES FREE OF KNOTS AND COLOUR

Lengths: 400 – 900 mm.

Widths: 80 mm+

Thickness: 52mm/26mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



SUPERIOR A COLOUR BEECH TIMBER

3 FACES FREE OF KNOTS AND COLOUR / WEAKER FACE SMALL KNOTS UP TO 10mm diameter

Lengths: 400 – 900 mm.

Widths: 80 mm+

Thickness: 52mm/26mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



AB COMMON

1 FACE COLOUR WITHOUT KNOTS / WEAKER FACE
KNOTS AND COLOUR

Lengths: 400 – 900 mm.

Widths: 70 mm+

Thickness: 52mm

Twisting is not Allowed, Bending on length max. 1%.

FRONT



BACK



EUROPEAN WHITE OAK:

Random Widths and Lengths,

BOSWOOD European white Oak production is square edged after kd, and available from 22 mm to 100 mm thicknesses as per demand.



WHITE WOOD:

Our Area is rich of Spruce, Fir, we do all customized sizes with main lengths 3000 & 4000 mm and some other special lengths upon orders always available 1"x4", 2"x4", 3"x3", 3"x-4", 4"x4" .

Available also furniture qualities square edged Kiln dried for any customized order.



BEECHWOOD UNEDGED GRADING:

A- Superior

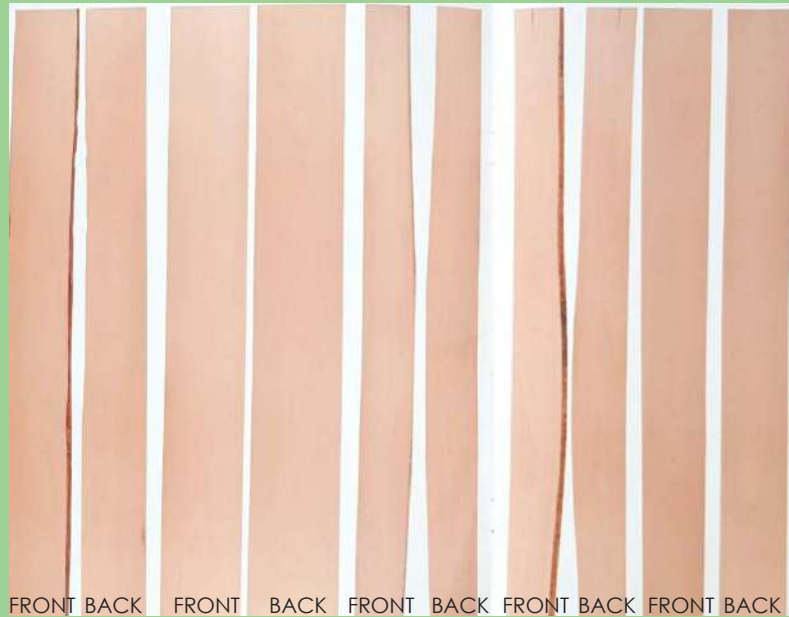
All our experience and Know - How in first class boards. We carefully select no defect boards to reach perfection. In addition you will get the European largest widths. Clear wood cuttings are close to 100% over the entire surface of both faces. Yield is very high and these boards are ideal for long lengths.

Characteristics : • Red heart excluded on both faces. • Most of the boards are clear of knots on both faces. Minimum accepted: 90% of boards per bundle. • A few boards may have cracks. However only straight and short ones are accepted. • Steamed and K D 12±2%.

Dimensions

Thickness: 26, 32, 38, 46, 50 (mm) Lengths: 2.00+ (Meter)

Widths: Minimum 120+mm / Average 200 mm all unedged measured inside wane.



A - Color

The grade when first class boards and red heart are required. We carefully select no defect boards to reach perfection. In addition you will get the European largest widths. Clear wood cuttings are close to 100% over the entire surface of both faces. Yield is very high and these boards are ideal for long lengths.

Characteristics: • Sound red and flame heart are specially selected. • Most of the boards are clear of knots on both faces. Minimum accepted: 90% of boards per bundle. • A few boards may have cracks. However only straight and short ones are accepted. • Steamed and KD 12±2%.

Dimensions

Thickness: 26, 32, 38, 46, 50 (mm) Lengths: 2.00+ (Meter)

Widths: Minimum 120+mm / Average 200 mm all unedged measured inside wane.



AB

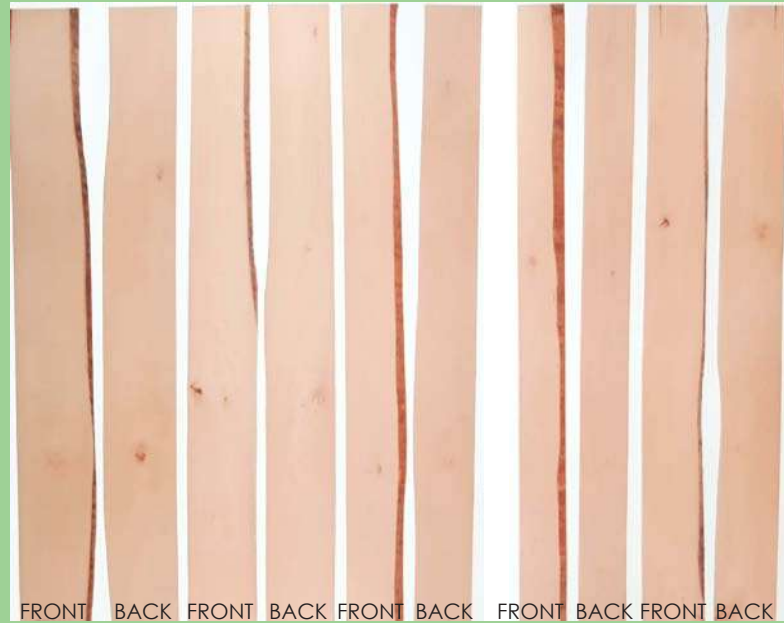
The grade when high yield and red heart are required. With an exceptional Yield/Price value this grade is ideal for medium to long lengths. In addition you will get the European largest widths. High yield can be expected.

Characteristics : •Sound red and flame heart are specially selected. •The maximum tolerance accepted is one knot per linear meter on both faces. •A few boards may have slight curving or cracks. However the maximum tolerance accepted is 30% of the total length, with reduction if over. •Steamed and KD $12\pm 2\%$.

Dimensions

Thickness: 26, 32, 38, 46, 50 (mm) Lengths: 2.00+ (Meter)

Widths: Minimum 120+mm / Average 200 mm all unedged measured inside wane.



C

Our cheapest grade for short to medium lengths with sound red and flame heart. This grade is also ideal if natural/rustic wood design is required.

Characteristics: •All colorations accepted. (Discoloration affecting mechanical properties are not allowed). •Knots are accepted without any limitation. •Grain and curving: no restriction. •Steamed and KD $12\pm 2\%$.

Dimensions

Thickness: 26, 32, 38, 46, 50 (mm) Lengths: 2.00+ (Meter)

Widths: Minimum 120+mm / Average 200 mm all unedged measured inside wane.



Material Specification

Beech Timber

Physical characteristics

Density (at 12 % moisture content)

712 kg/m³

Total longitudinal shrinkage

0.3 %

Total radial shrinkage

5.8 %

Total tangential shrinkage

11.8 %

Equilibrium moisture content

(20° C/37 % rel. humidity)

7.3 %

(20° C/83 % rel. humidity)

15.7 %

Mechanical characteristics

Modulus of elasticity under bending

16000 N/mm²

Modulus of rupture under bending

123 N/mm²

Tension strength

135 N/mm²

Compression strength

62 N/mm²

Brinell hardness perpendicular to the fibres

34 N/mm²

Janka Hardness

6.7 kN

Nail withdrawal strength in N per mm depth

and mm diameter

18 N/mm²

European White Oak

Physical characteristics

Density (at 12 % moisture content)

702 kg/m³

Total longitudinal shrinkage

0.4 %

Total radial shrinkage

4.3 %

Total tangential shrinkage

8.9 %

Equilibrium moisture content

(20° C/37 % rel. humidity)

8.9 %

(20° C/83 % rel. humidity)

17.2 %

Mechanical characteristics

Modulus of elasticity under bending

13000 N/mm²

Modulus of rupture under bending

88 N/mm²

Tension strength

90 N/mm²

Compression strength

61 N/mm²

Brinell hardness perpendicular to the fibres

34 N/mm²

Janka Hardness

4.5 kN

Nail withdrawal strength in N per mm depth and mm diameter

17 N/mm²

White Wood

Spruce (*Picea abies*)

Physical characteristics

Density (at 12 % moisture content)

441 kg/m³

Total longitudinal shrinkage

0.3 %

Total radial shrinkage

3.6 %

Total tangential shrinkage

7.8 %

Equilibrium moisture content

(20° C/ 37 % rel. humidity)

7.0 %

(20° C/ 83 % rel. humidity)

16.4 %

Mechanical characteristics

Modulus of elasticity under bending

12500 N/mm²

Modulus of rupture under bending

77 N/mm²

Tension strength

95 N/mm²

Compression strength

44 N/mm²

Brinell hardness perpendicular to the fibres

44 N/mm²

Janka Hardness

1.6 kN

Nail withdrawal strength in N per mm depth and mm diameter

5.5 N/mm²

Natural durability and treatability (according to en 350-2)

Fir (*Abies alba*)

Physical characteristics

Density (at 12 % moisture content)

441 kg/m³

Total longitudinal shrinkage

0.1 – 0.2 %

Total radial shrinkage

3.8 %

Total tangential shrinkage

7.6 %

Equilibrium moisture content

(20° C/ 37 % rel. humidity)

7.1 %

(20° C/ 83 % rel. humidity)

16.9 %

Mechanical characteristics

Modulus of elasticity under bending

11000 N/mm²

Modulus of rupture under bending

73 N/mm²

Tension strength

84 N/mm²

Compression strength

45 N/mm²

Brinell hardness perpendicular to the fibres

14 N/mm²

Janka Hardness

1.8 kN

Nail withdrawal strength in N per mm depth and mm diameter

5.0 N/mm²

Natural durability and treatability (according to en 350-2)

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*Our cost driven strategies
makes us your trustworthy choice*