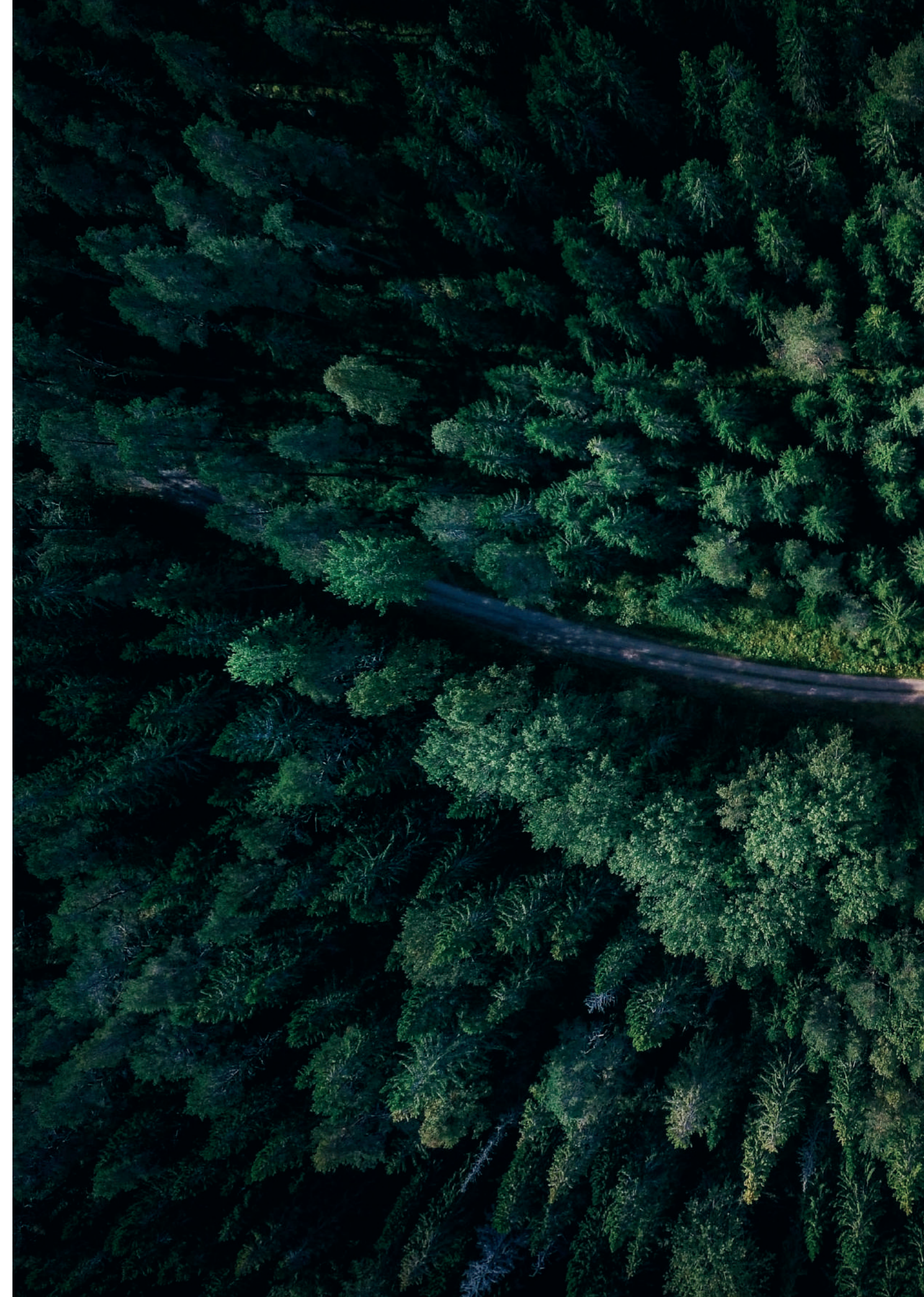


An aerial photograph of a modern, two-story house. The house features a dark grey gabled roof and white exterior walls. A large, multi-level wooden deck with a light brown finish is a prominent feature. The deck is bordered by a white railing with glass panels. A set of wooden stairs leads down from the deck to a paved area. The house is surrounded by lush green trees and a well-maintained lawn. The overall aesthetic is clean, modern, and natural.

SHECTRON

TRADING
AND SERVICE DMCC





Contents

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Key products	9–29
Customized products	30–40



About Us

Our company select the best Russian lumber from different manufacturers. We select only those companies which are export-oriented enterprises manufacturing wood materials for the construction and furniture industries including thermally-modified, impregnated, planed and brushed sawn timber, RUF fuel briquettes.

The basic principles: advanced technologies, high quality products and responsibility to the ecosystem of Russian forests.

21,8 ha
enterprise area

150 000 cbm/year
production capacity for roundwood

90%
of products
are exported



Production cycle. Equipment.

Through working with a diverse list of wood suppliers, we have a wide range of products available.

Different tree species have different physical and mechanical properties and features. It is inaccurate to divide wood into good or bad, because often it is the wrong choice or wrong use of wood that negates its advantages and significantly reduces product lifetime.

The present catalog shows our most frequently ordered products.



● Spruce

Keeps the heat well. Used for interior decoration and inexpensive furniture manufacture.



● Pine

Durable and inexpensive material. Withstands moisture well.



● Larch

The main advantage is a good resistance to moisture.



● Birch

Characterized by the lightest shade of wood and high decorative properties.



● Oak

Valuable wood specie. Characterized by an exquisite appearance and the highest strength. Furniture made of oak can stand for decades.



Rough sawn timber

The timber-processing workshop produces a wide range of coniferous timber. The quality corresponds to technical specifications based on GOST 26002-83. Transport humidity 18% (+/-2%). If required it is possible to dry timber to the specified humidity.

Packed in transport packages from five sides, shipped on lining bars to ensure safe unloading.

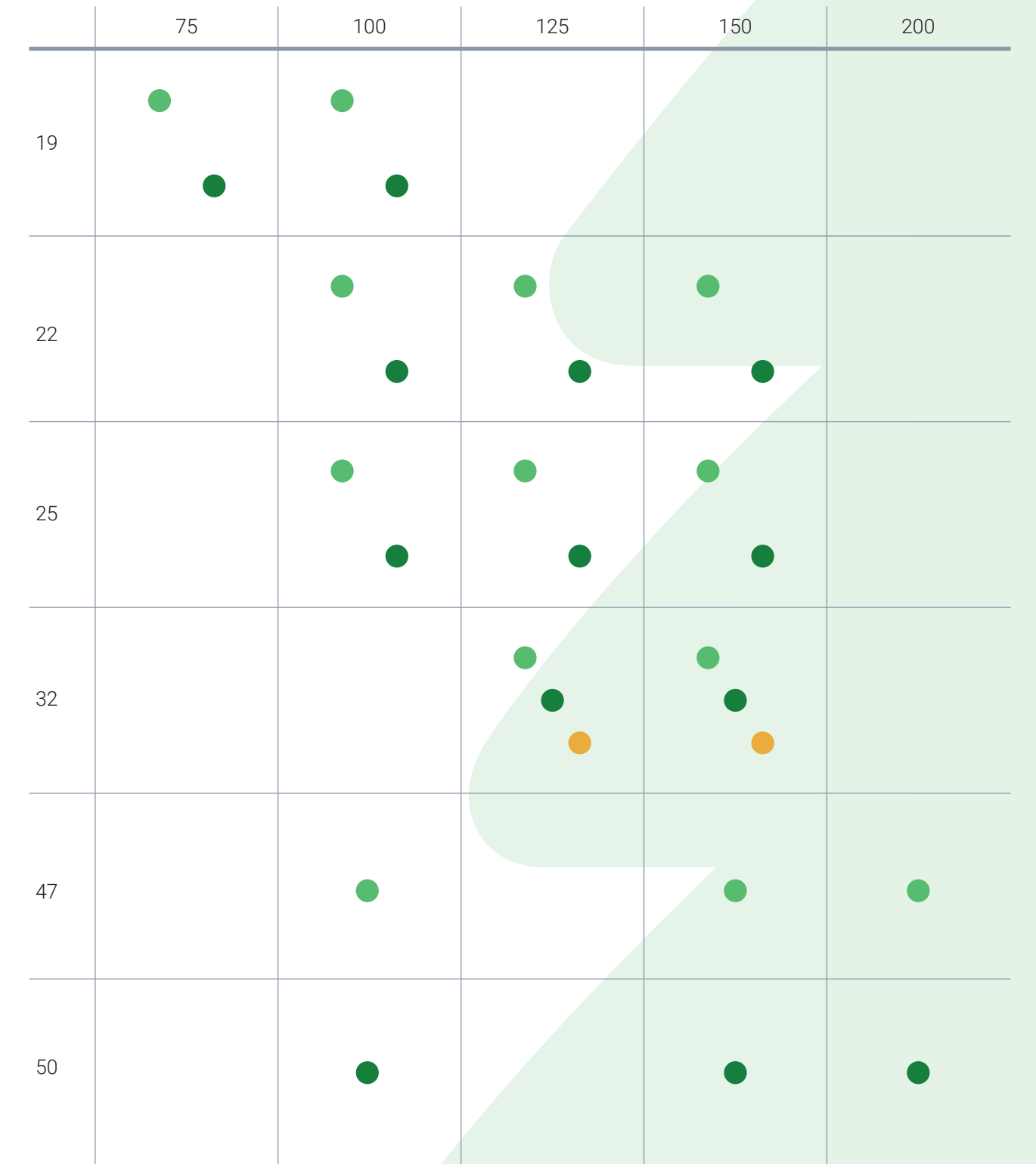


Cross sections

Standard dimensions

Standard lengths: 3.0 – 6.0 m (step 30 cm)

Standard sawn timber dimensions are cut per the chart below.



Wood species:

● spruce

● pine

● larch



Grading

«1-4»

«5»

«Non-standard»



Features in each grade

«1-4»



«5»



«Non-standard»







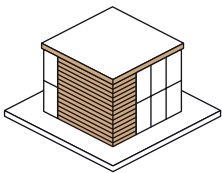
Planed timber

Planed products drying to humidity 12% (+/-2%). Smooth structure, regular-shaped, high quality. Packed in mini-packages (3-5 boards), and then in transport package from five sides. Shipped on lining bars to ensure safe unloading.

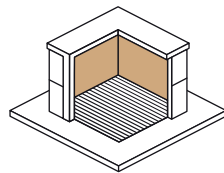
The material is produced in accordance with technical requirements based on GOST standards.

- Cladding
- Planken
- Imitation
- Decking
- Floor boards
- Planed boards
- Planed bars

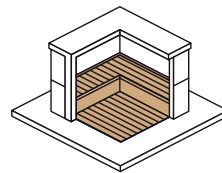
Areas of application



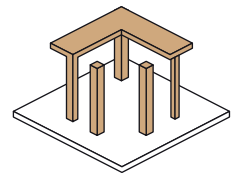
Exterior



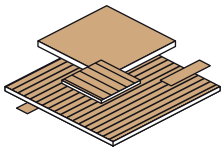
Interior



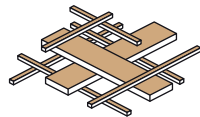
Sauna



Building



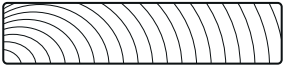









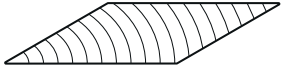



















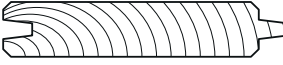




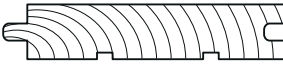














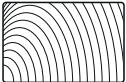




Furniture



Timber

Advantages

- Due to drying, the material has a moisture content of no more than 14%, which reduces its shrinkage and cracking and increases resistance to biological damage (mold, fungi, insects).
- High accuracy of geometric dimensions
- Smooth surface

Profile	Picture	Wood species	Dimensions
Planken 4R3, 4R5 		  	21*120/145 - 19/26/42*92/117/140
Planken 4R3 		  	19*92/117/140
Planken mitred 		  	20/26*92/117
Decking 		  	21/27*120/145
Decking 		  	27*120/145
Planed S4S board 		  	18/20*120/145
Imitation two-sided 		  	27*144
Floor board 		  	28*120/145 21*120
Imitation 		  	19/21*120/145
Interior cladding 		  	12/14*120/145/146
Planken 4R3, 4R5 		  	44*70

Wood species:

 spruce  pine  larch



Grading



"AB mixed" – sound knots, end micro-cracks, up to 2 resin pockets per running meter allowed.

"C" – loose knots, nonthrough cracks, mechanic damage.

Features in each grade

«AB»



«C»







Thermally-modified products

The technology of thermally-modified wood production is an environmentally friendly process of changing the wood structure with no use of chemical exposure. Thermally-modified timber is a product of steam exposure at high temperature (170 to 210 °C). As a result occurs the breakdown of volatile organic compounds and wax, resin crystallization. Due to hemicellulose (wood sugar) breakdown, the product is much less susceptible to rotting and insect infestation.

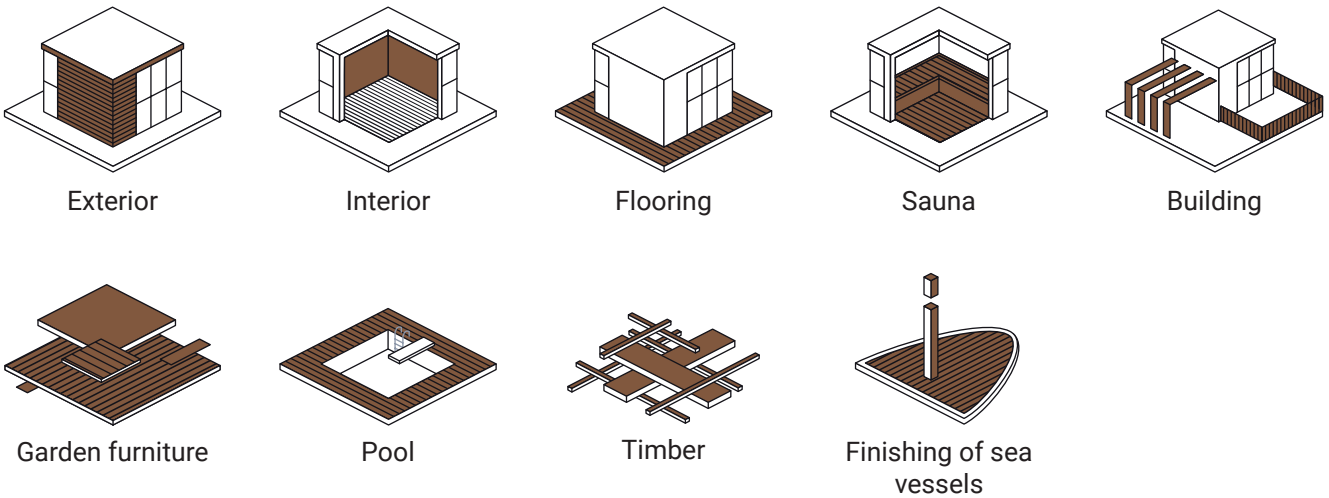
In addition, the wood becomes denser and acquires a pleasant brown shade. The mill is equipped with three thermal chambers Métallerie du Sud Lorrain (MSL, France) with a one-time loading volume of more than 40 m³.

Packed in mini-packages (3-5 boards), and then in transport package from five sides. Shipped on lining bars to ensure safe unloading.

The material is produced in accordance with technical requirements based on GOST standards.









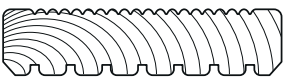



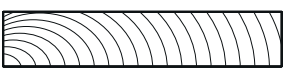



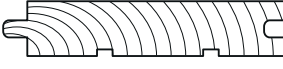



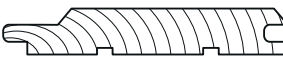



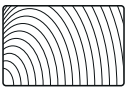



- Thermo cladding
- Thermo planken
- Imitation / facade boards
- Thermodecking
- Thermo floor boards
- Wall panels

Areas of application



Advantages

- Aesthetic appearance
- Eco-friendly material
- Hygroscopicity
- Stability of geometric dimensions
- Resistance to biological damage

Profile	Picture	Wood species	Dimensions
Planken 4R3, 4R5 		 	21*120/145 - 19/26/42*92/117/140
Planken 4R3 		 	19*92/117/140
Decking 		 	27*120/145
Planed S4S board 		 	18/20*120/145
Floor board 		 	28*120/145 21*120
Imitation 		 	19/21*120/145
Planken 4R3, 4R5 		 	44*70

Wood species:

 spruce  pine



Grading



"AB mixed" – sound knots and micro-cracks allowed. "C" – small wane and mechanical damage allowed.

Features in each grade

«AB»



«C»







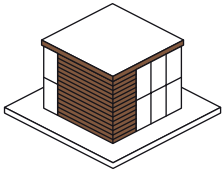
Brushed timber

Brushing is the artificial aging of wood. In natural conditions, aging occurs long. Due to the sun, wind and rain the layers crumble. The decorative effect is present, but in the course of natural processes, the material loses its basic properties: it becomes less durable; it is exposed to destruction and rotting.

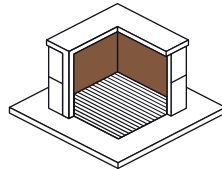
The surface of the workpiece or product is brushed with a steel brush, removing the layer of earlywood, resulting in a relief rough surface. However, the wood does not lose its strength.

- Brushed timber
- Brushed thermally-modified products

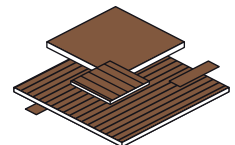
Areas of application



Exterior



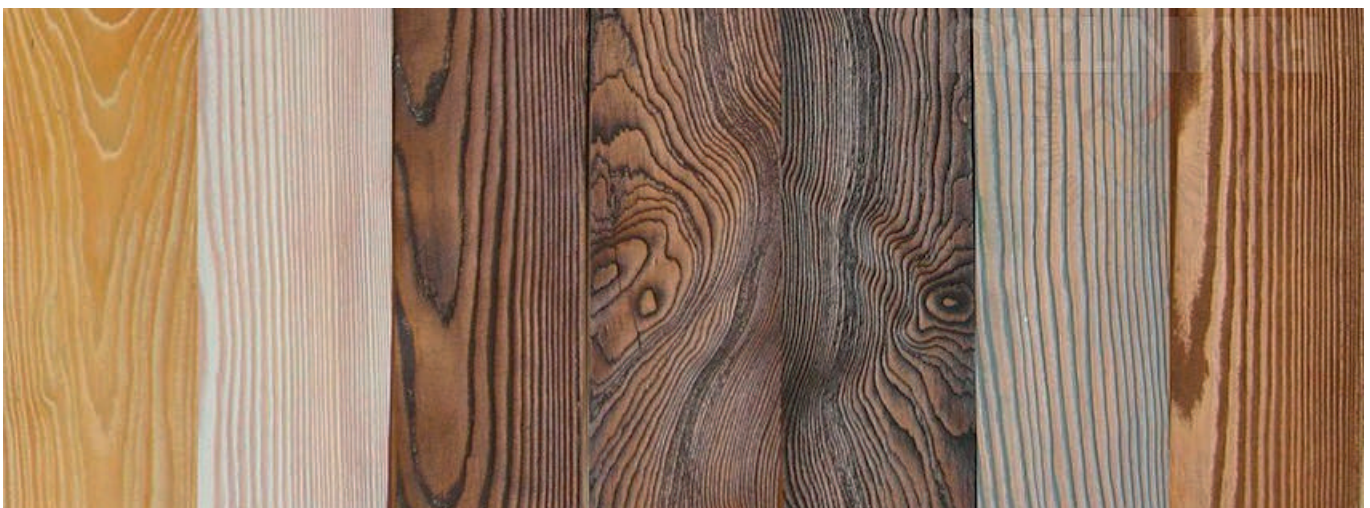
Interior



Furniture

Advantages

- Due to brushing, the product acquires a more pronounced pattern, the surface texture is brighter and the annual rings stand out clearly. The material is strong, resistant to external factors, mold and fungi.
- The product acquires decorative qualities due to the contrast of texture after removing the soft fibers. The material and decor elements are universal, fit into any interior and make it exclusive.





Wood species:

● spruce

● pine

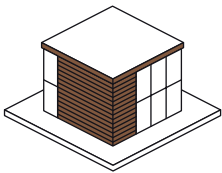
● larch



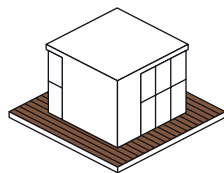
Edge glued panels and components

Furniture panel is a material that combines the advantages of solid wood and slab material. The natural base and environmentally friendly production method makes it a good source of inspiration for creating furniture, stairs, windowsills and other products.

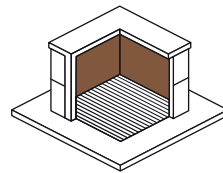
Areas of application



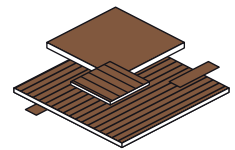
Exterior



Flooring



Interior



Furniture

Profile

- Solid / FJ
- Thickness 18-45 mm
- Width up to 1220 mm
- Length up to 6000 mm
- Glue D4 according to DIN EN 204
- Surface sanded (120-150 grid)
- Moisture 8 % +/- 2 %
- Packaging single shrink wrapped

Advantages

- Furniture quality
- High aesthetic properties
- High quality of sawing and planing





Wood species:

 spruce

 pine

 birch

 oak



Grading



"Side A" – no defects. Knots, sapwood, resin pockets, cracks and other defects not allowed. Lamellas are selected by color and texture to look as close as possible to solid wood.

"Side B" – a high level of quality. Small sound knots allowed.

"Side C" – various defects allowed: sound knots, curls, sapwood, chemical stains, defects sealed with putty.





Window scantlings

Window glued laminated timber is a modern eco-friendly material for the manufacture of high-quality wood windows. Our company produces window glued laminated timber of different sections made of solid or glued finger joint pieces of radial, semi radial, and tangential sawn cut.

Profile

























































- Length: For DKD and DKK – min. 1000 mm, max. 4000 mm
For KKK max. 6100 mm
- Moisture 12 % +/- 2 %
- Glue D4 according to DIN EN 204

Advantages


- Is stronger than usual solid timber, it is subjected to almost no distortion, and does not crack. It has good thermal-insulating properties. Glued laminated timber does not deform at rapid change of temperature.
- Is made of 2 or more lamellas glued together.
- The front surface has a higher resistance to environmental influences and is less susceptible to shrinkage due to seasonal fluctuations in air temperature, has a beautiful color and texture.



Dimensions:

	75	86	95	105	115	125	145
63	 	 	 	 	 	 	 
72	 	 	 	 	 	 	 
82	 	 	 	 	 	 	 
84	 	 	 	 	 	 	 

Wood species:

-  pine
-  larch



RUF briquettes

A new generation of biofuels, an ideal choice for boilers of central heating systems, for any fireplaces and stoves.

Advantages

- Waterproof packaging.
- The complete absence of binders and pigments - no chemical smell when burning.
- Briquettes are used as fuel for fireplaces, boilers and grills.
- The calorific value has 4800 - 4900kcal / kg. For comparison, the split birch firewood has 1800 - 2100kcal / kg.

Tech specification

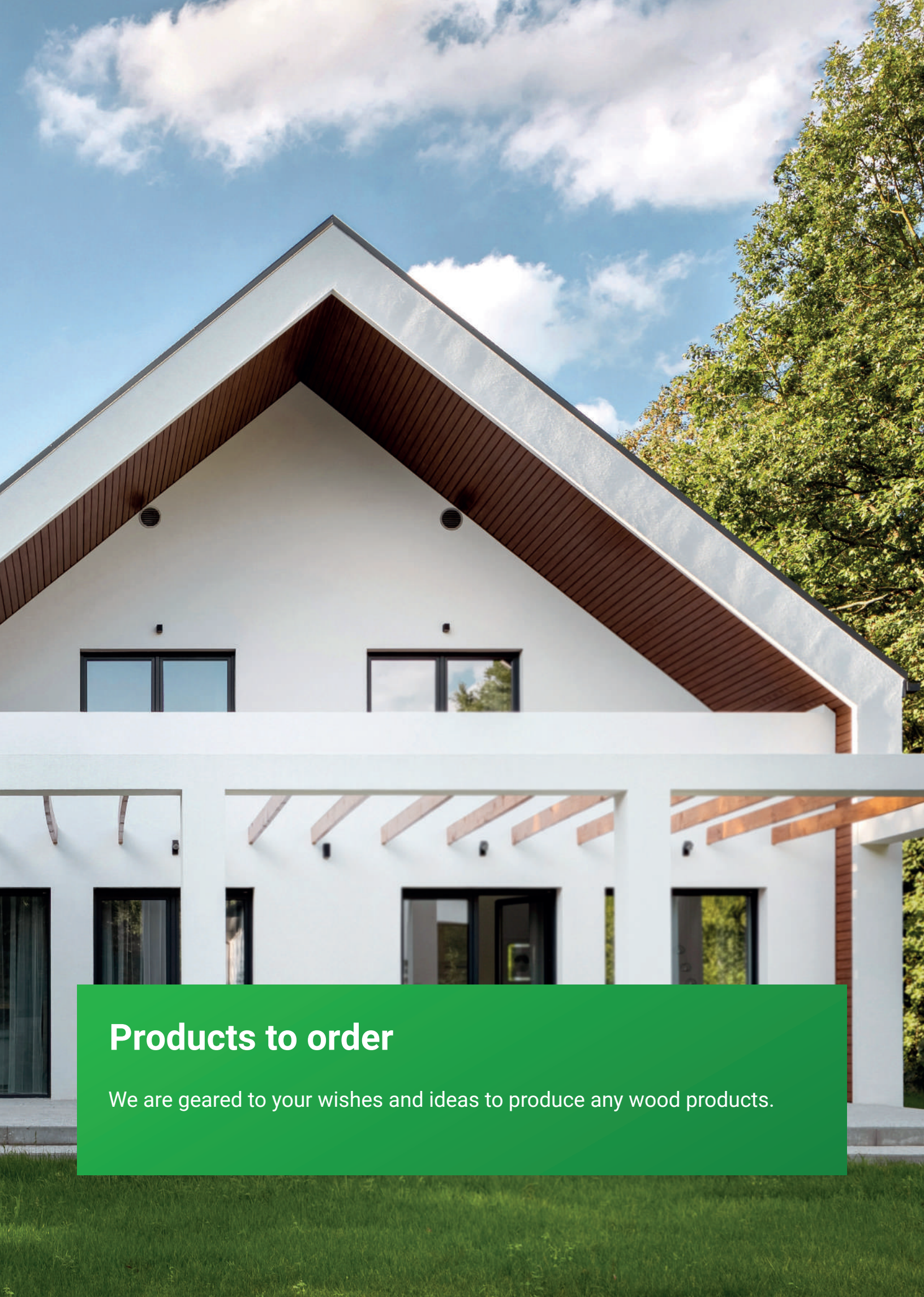
- Briquette size, mm: 150x100x60
- Pallet size, mm: 800x1200x1360 (96 packages)
- Composition: coniferous sawdust (pine, spruce), birch sawdust (up to 30%), sawdust of thermally -modified wood.
- Color: Light yellow, yellow-brown, brown
- Calorific value: 4500-4900 kcal/ kg
- Humidity: up to 8.9%
- Ash content: up to 0.6%
- Packing: 12 pcs. in shrink wrap.
- Weight of 1 package: 10 kg (+/- 5%)

Product standard: GOST R 55114-2012 (EN 14961-2:2011)









Products to order

We are geared to your wishes and ideas to produce any wood products.



Furniture and elements

Durable solid wood products of any shape and size.

- Tables
- Shelves
- Beds
- Cabinets
- Shelving
- Dressers
- Bedside table
- Kid's furniture
- Garden furniture
- Tabletops
- Furniture legs







Home decor

Wood is stylish, eco-friendly and practical element of interior decoration used in zoning, acoustics, emphasizing.

- Wall panels
- Window sills
- Decorative slats

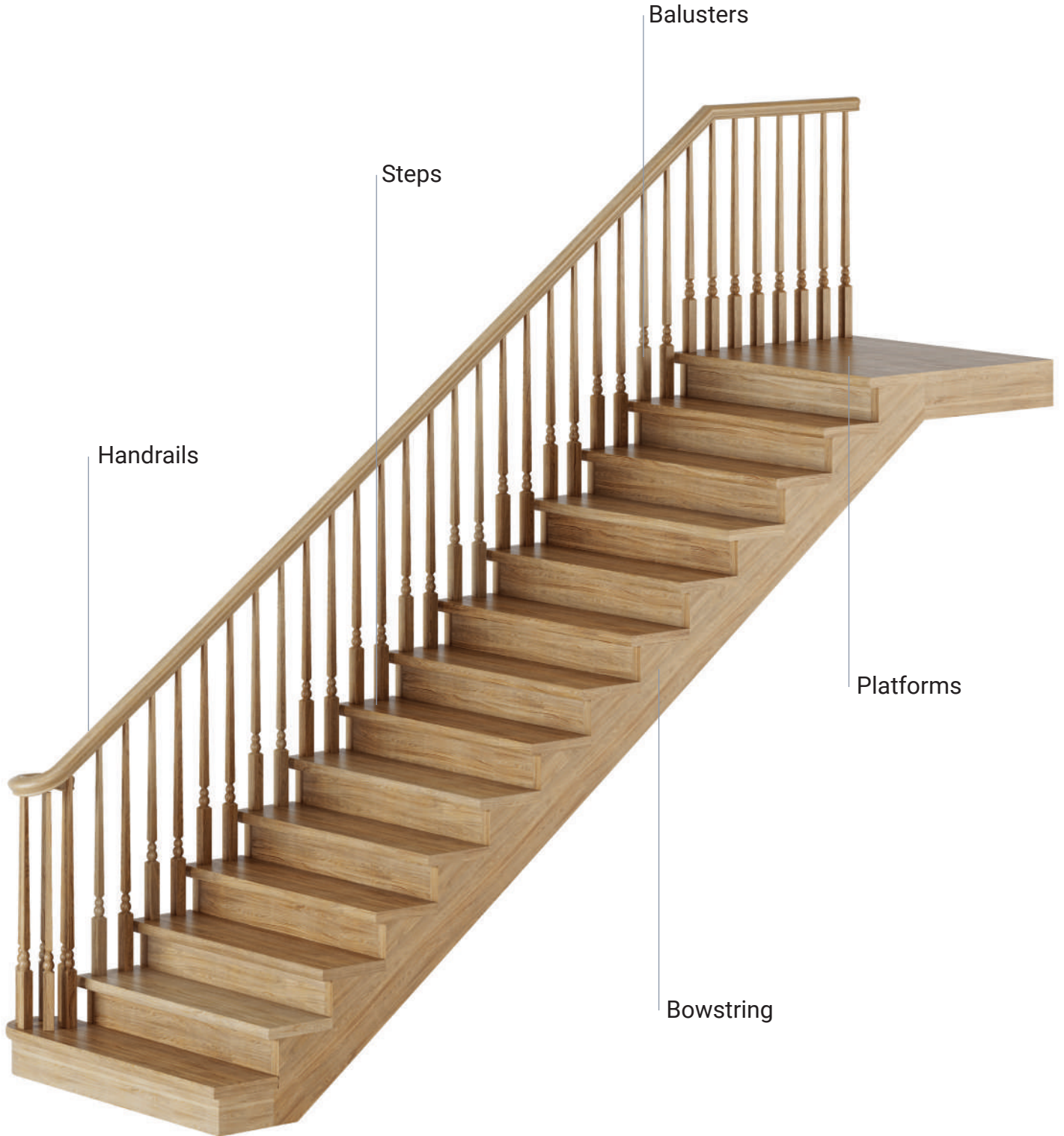


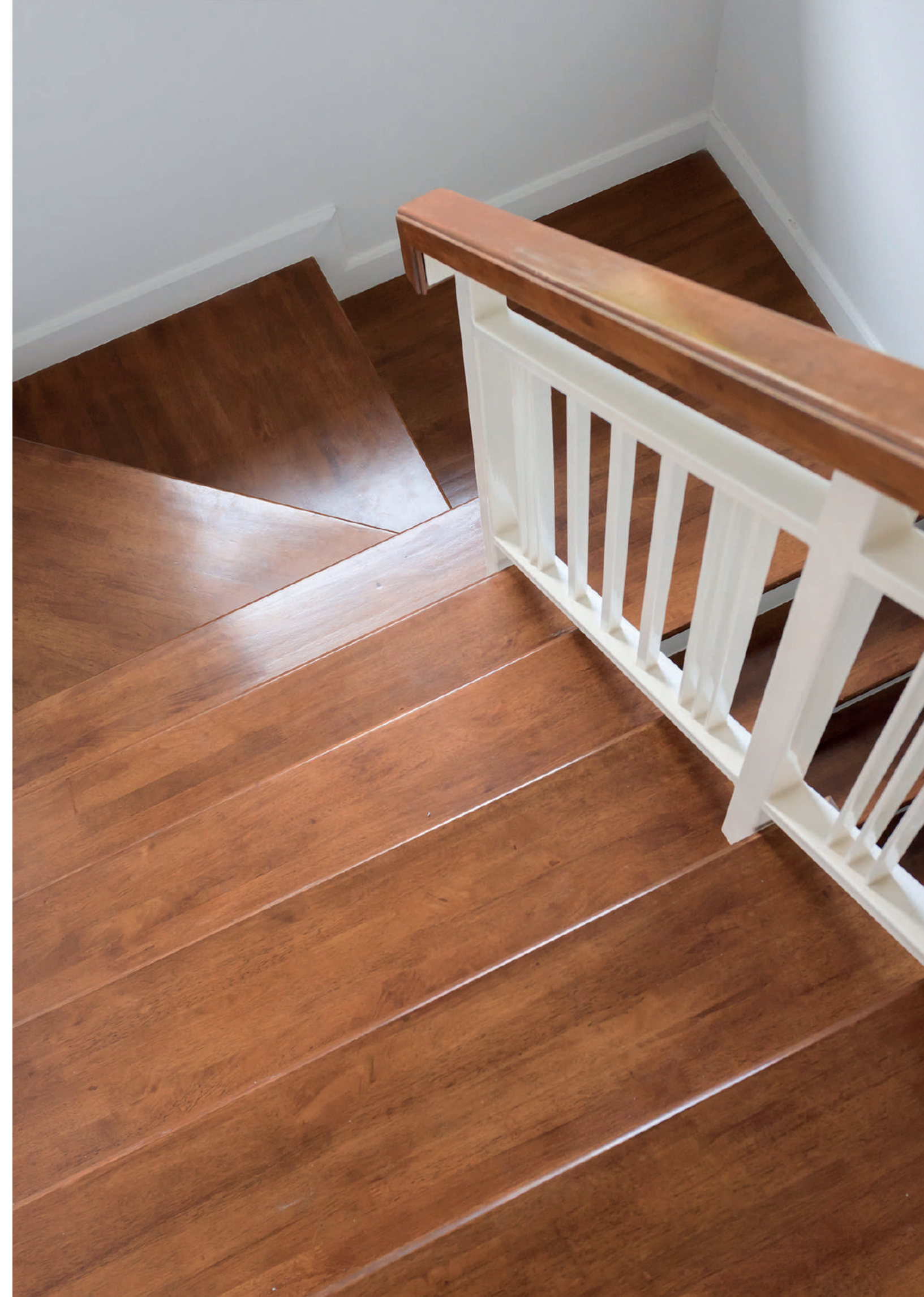




Staircase

A solid wood staircase is a great way incorporate a beautiful feature into your home. The use of solid wood allows achieving unique results with the appearance and performing stairs of any length and in any stylistic solution.







Tableware and interior elements

Products made of environmentally friendly and safe material for serving dishes and interior decoration.

- Plates
- Chopping boards
- Wooden clock
- Cachepot







Construction. House kits made of timber

We produce wooden prefabricated houses and outbuildings (saunas, baths, gazebos, etc.). From the design and production of timber to finishing.



