



THE BEST FROM LATVIA'S NATURE AND PEOPLE

SHORT OVERVIEW OF THE COMPANY

HIGH-END WOODEN WINDOW AND DOOR MANUFACTURER





Staļi Ltd was established in 1993 near Cēsis city in Latvia. Due to continuous business growth currently it employs about 80 people.

The company is well known for the ability to manufacture complex premium wooden windows and doors adjusted to custom size and specification requirements.

Staļi Ltd is also wastly known for En*plus*-A1® class wood pellets and glu-lam products.

The company has a manufacturing capacity of more than 40 000 doors and windows, 35 000 tonnes of wood pellets and 10 000 m³ glued wood components a year.

The high quality products and short product delivery times have allowed the company's manufactured products to be well recognized not only in Latvia, but also in export markets.

Due to advanced IT systems, the Company is able to take many complicated and small sized orders. The IT system allows to track progress of orders during all stages of manufacturing process.

LOCATION

LOCATION AND MANUFACTURING



The Company is located in Cesis (around 95 km from Riga center and Riga port)

- Major benefits for the Company being located in Cesis are as follows:
- The labor costs are cheaper compared to Riga;
- Carpentry is one of the core professions in Cesu professional secondary school, thus there is supply of qualified workforce for window and door production;
- In addition, Priekuļu technical school is also located 5 km from Cēsis and the Company.

Given the relatively cheap labor force and supply of qualified workforce which could be beneficial during the Company's future growth, Cesis is a strategically good location for window and door manufacturing company.

Well connected to Western and Northern Europe

- Riga as the Capital of Latvia is well connected to Western and Northern Europe by sea and ground transport routes, thus it is possible to export the Company's manufactured products abroad, where 83% of the Company's revenues are from export markets.
- The trip from the Company to Riga port takes around 1 hour and 30 minutes.

Convenient managing of the Company

- Riga Airport is very well connected to majority of Europe's largest airports with few hour direct flights.
- The trip from Riga airport to the Company takes around 1 hour and 40 minutes.

As a result, it is convenient for potential investor to manage the Company as travelling to the Company and meeting with management and employees is time efficient.

WINDOWS AND DOORS

PRODUCT PORTFOLIO

Main Characteristics of the Company's Product Portfolio:

- Large product portfolio, with many additional specifications (including historical doors and windows);
- Custom doors and windows based on customer preferences (any size);
- Doors and windows in any geometrical form (for example, circle, triangle, trapeze, etc.);
- Various types of wood (pine, oak, also exotic woods).

The Company's manufactured standardized doors and windows by type are as follows:

Wooden windows:

- IV68,IV78,IV90
- Passive IV90, IV105
- Fireproof IV90, IV105
- Side Hung 95/76, 105/76
- Side Swing 95/76, 105/76
- Top Swing 95/76, 105/76
- Top Swing Opus 95/76, 105/76
- Top Hung 95/76, 105/76
- Flush Casement 71/63, 92/63
- Casement 71/63
- Fixed frame window
- Climatrend IV78, IV90
- Mastic window IV78, IV105
- Vertical sliding window 184/68, 204/78

Wooden windows + ALU cladding:

- Bug & Gutmann Alu IV68, IV78, IV90
- Passive window IV90
- Fireproof window IV90
- Side Hung 95/76 ALU, 105/76 ALU
- Side Swing 95/76, 105/76
- Top Swing 95/76, 105/76
- Top Swing Opus 95/76, 105/76
- Top Hung 95/76, 105/76
- Climatrend IV78, IV90 Bug & Gutmann Alu
- Patio life IV68, IV78, IV90
- Flush Casement 71/63 Alu, 83/75 Alu

Wooden doors:

- Entrance doors IV68, IV76, IV78, IV90
- French doors IV63

- Balcony doors 95/76, 105/76, IV68, IV78, IV90
- Inner doors 45mm
- Mastic balcony doors IV105
- Panel doors IV68, IV76, IV78
- Panel doors 95/68, 95/78, 105/68, 105/78

Wooden doors + ALU cladding:

- Entrance doors IV68, IV78, IV90
- French doors IV63
- Balcony doors 95/76, 105/76
- Balcony doors IV68, IV78, IV90

Wooden sliding/folding doors:

- Patio Life IV68, IV78, IV90
- Roto Patio Z Tilt IV68, IV78, IV90
- GU sliding doors

• Roto Folding doors IV68, IV78, IV90, IV76

Wooden sliding doors + ALU cladding:

- Patio life IV68, IV78, IV90
- Gu Sliding door
- Centor Folding door IV76
- Roto Folding door IV68, IV78, IV90

WINDOW AND DOOR SIZES

PRODUCT PORTFOLIO

Product	Max size Width (mm) Height (mm)		
IV 68	500-1600	500-2700	
IV 78	500-1600	500-2700	
IV 78 Climatrend	500-1700	500-3100	
IV 90 Climatrend	500-1700	500-3100	
IV 105/95 fixed	380-4200	380-4200	
IV 105/95 Top Swing	480-2480	480-1580	
IV 105/95 Top Hung	480-1580	480-1580	
IV 105/95 Side Hung	480-1080	480-2100	
IV 105/95 Side Turn	480-880	480-1580	
IV 105/95 BD (1 sash)	680-1190	1980-2650	
IV 105/95 BD (2 sashes)	1180-2190	1980-2650	
IV 105 Allswing Top Swing	480-2480	490-1580	
IV 105 Allswing Top Hung	420-1580	380-1800	
IV 105 Allswing Side Hung	480-1100	480-1580	
IV 105 Allswing Side Turn	480-1000	480-1580	
Casement	400-1080	480-1880	
Flush Casement	400-1080	480-1880	

Product	Max size		
	wiath (mm)	Height (mm)	
French doors (2 sashes)	600-1200	1600-3100	
French doors (1 sash)	1200-2400	1600-3100	
Outer doors (1 sash)	600-1200	1600-3100	
Outer doors (2 sashes)	1200-2400	1600-3100	
Panel doors (1 sash)	600-1200	1600-2400	
Panel doors (2 sashes)	1200-2400	1600-2400	
Inner doors (1 sash)	500-1200	1000-3100	
Inner doors (2 sashes)	1000-2400	1000-3100	
GU C	3980-12000	1980-3100	
GU A	1580-6000	1980-3100	
Pati Life C	3980-13000	820-2800	
Patio Life A	1580-6500	820-2800	
Centor Folding	1480-12000	1600-3100	
Roto Folding	2000-12000	820-2600	



Side Hung windows

Side hung windows open outwards and glass sealing rubber strips are used in place of silicone. These windows are distinguished by the simplicity of the structure. The window construction is equipped with a regular stop, which limits the initial opening of the window up to 100 mm. The turning lock is very useful, when small children are present, thus limiting the possibilities of opening the window. Hoppe Tokyo handles or sash hooks are available options to choose as locking mechanism. These windows can be manufactured from wood or a combination of wood and aluminium where aluminium covers the outer part of the frame and sash.

Top Swing Classic windows

Spilka Classic hinges with their unique construction make it possible to turn the window fully inside, thus making the maintenance of the window very convenient and simple. The hinge construction is equipped with a regular stop, which limits the initial opening of the window to 100 mm and operates also in cases when the window is turned by 180°. The turning lock is very useful when there are small children present, thus limiting the possibilities of opening the window. The design of the window and hinge construction ensure the secure balance of the sash if you turn the window so that the external part turns inside.

Flush Casement windows

The frame and sash of the Flush Casement window are flat from outside, grooveless, and this window can be opened at an angle of up to 90 degrees. The various colour, design and glazing options provide an opportunity to adjust this window to the exterior of the house. Flush Casement Winlock hardware ensures perfect operation for many years. The Flush Casement window also has excellent thermal properties and high resistance against different weather conditions. This high-quality and energy efficient window will not only bring the feeling of warmth and safety into your house, but also will integrate harmoniously into the house design.





Casement windows open to the outside and up to 90 degrees. Thickness of the frame is 69 mm and double glazing is used. Hinges are fixed to both upper and lower edge. Casement windows are completed with Winlock hardware. Special safety hooks can be fixed to casement windows to ensure additional safety. Design of the window and hinge construction achieves a safe balance of the sash even when the window is fully opened.



Top Swing Opus windows

Spilka Opus hinges with their unique construction make it possible to turn the window fully inside, thus making the maintenance of window very convenient and simple. The main feature of Spilka Opus hinges is that they are mounted between the frame and sash and placed in a groove in the side of the window. Because of that, hinges are "hidden" and almost invisible from the external side and not affecting the exterior, which can be very useful. It is possible to turn window by 180°, making cleaning this type of window easy and more secure. These windows can be manufactured from wood or a combination of wood and aluminium where aluminium covers the outer part of the frame and sash.



Top Hung windows

The unique features of Scandinavian Top Hung windows are their simplicity and practical use. Hinges are fitted on the upper part of the window, it can be opened outward and fixed in a ventilation mode with a special ASSA fixator attached on the right side of the window, whereas the handle is located on the bottom part of the window sash. This type of window is commonly used in basements of buildings, when the main purpose of the window is to ensure daylight. These windows can be manufactured from wood or a combination of wood and aluminium where aluminium covers the outer part of the frame and sash.







Side Swing windows

Side swing windows open and turn outwards. The unique hinge construction of these windows makes it possible to turn the window fully inside, thus making the maintenance of window very convenient and simple. The hinge construction is equipped with a regular stop, limiting the initial opening of the window up to 100 mm and operates also when the window is turned 180°. The turning lock is very useful, when small children are present, thus, limiting the possibilities of opening the window. Hinges are fixed in both side edges of the window frame. The design of the window and hinge construction ensures the secure balance of the sash, if you turn the window inside with the external part. These windows can be manufactured from wood or a combination of wood and aluminium where aluminium covers the outer part of the frame and sash.

Inward Opening windows

Inward opening windows are the most common type of windows used in Europe, due to their easy maintenance. There is a possibility to fully coat these windows with aluminium cladding from the outside, thus ensuring additional protection to the finish and extending the lifetime of the product. These windows can be manufactured in different shapes — rectangular, triangular and in the shape of an arch. The hardware of the company Roto ensures the faultless and long working life of the window mechanism. Roto hardware ensures several ventilation modes.

Historical windows

The Company offers a wide range of window safety solutions and hinge systems in the manufacturing of copies of historical windows, combining the decorative and design solutions of the original window with modern technologies and solutions, that improve thermal efficiency, durability and safety of the window. It is possible to choose windows made from laminated solid wood or finger jointed wood. The wide choice of handles, decors and colours will allow matching these windows with any type of architecture and making them match the original as closely as possible. The Company can be proud of many years of experience and extensive number of implemented projects, particularly in manufacturing historical windows in Latvia and other countries. Historical windows can be manufactured in various shapes and sizes, adjusting them to the needs of each particular project. Historical windows can be varnished or painted in colours and tones that match the interior, at the same time preserving the original texture of wood.









Fireproof windows

The fireproof windows manufactured by the Company comply with El45 characteristics of fireproof windows and maintain the structure integrity even at particularly high temperatures and in case of flames — for at least 45 minutes. This window is equipped with a fire resistant glass and insulating tape between the window sash and frame, which expands at particularly high temperatures, thereby preventing air inflow. Fire resistant sealing rubber and silicone is also used, which ensures sustainable resistance against the spread of smoke and fire. Inward opening fireproof windows can be fitted with aluminum plates on the outside.

Passive windows

Due to the achievements in sustainable development and energy efficient houses, people are increasingly aware of the reduction of heat energy loss. The Company offers high performance passive windows, which comply with the highest international requirements for passive windows. Passive houses — a vision for the future and a house with high energy efficiency. The main qualities of passive houses are excellent heat insulation, leak proofing, heat recovery from the outflow air and qualitative low energy consumption windows and doors. The Company offers outward opening passive windows with U value equal to 0.59 and inward opening passive windows with the U value equal to 0.62. Inward opening passive windows can be fitted with aluminum plates on the outside.

Fixed windows

The Company offers manufacturing deadlight wooden showcase windows of different shapes. Deadlight wooden windows ensure maximum flow of light in a room where there is no need to open the window. We offer to fit these windows with tinted, textured, safety, self-cleaning, sound proof windows or windows with sun protection. The window design can be supplemented with decorative straps. The frame of deadlight windows is highly resistant to deformation, and in order the window has served much longer, it can be equipped with exterior aluminum plates which will provide additional protection of the window frame from the effects of the external conditions, such as rain and snow. A wide selection of lacquer and paint colours allows us to adapt the window to the requirements of each project and client.





Box-type windows

Box-type windows are often chosen when client wants to replace the original old windows, and in the projects where it is important to preserve not only the design, but also the historical fittings. This allows you to restore the buildings in accordance with the requirements of architects and to give them further security, thermal and acoustic insulation. Most often, the windows of this type have several sashes which open in one direction - inside. The window can be fitted with a new or refurbished historic fittings and locks. We also offer removable or fixed ornamental elements of various profiles.



Inward Opening Folding doors

Inward opening folding wooden doors ensure great functionality and visually attractive appearance at the same time. This type of outer doors are most often used as an exit to the yard or terrace of the house, connecting the garden and indoors when opened. Another positive aspect is the low wooden threshold — it gives extra comfort when walking through houses or public places. High-quality glazing provides efficient heat and noise insulation. The Company offers premium quality inward opening folding doors made from solid pine, finger jointed pine or oak.



Roto Patio Life Sliding doors

Due to their functionality, sliding doors equipped with Roto hardware are very similar to GU sliding doors. Roto Patio Life sliding doors are offered with a fiberglass threshold, which facilitates maintenance of the doors. Thanks to the convenience of such thresholds, these doors are excellent for serving as a structure for dividing rooms.

The Roto hardware ensures that opening of these doors is surprisingly easy even despite the relatively large size of doors, which can reach even 6.5 m in width and 2.4 m in height.



French doors

Hinged patio doors or so-called French doors are distinguished by classical simplicity — the handle fixes the doors to lock them. French doors are fully glazed, with one or two simultaneously openable sashes. By connecting living spaces and preserving the air flow, French doors give special grace and elegance to the interior. Wooden doors can be combined with windows or fixed frame windows. Another option is wooden doors with aluminium cladding. The Company manufactures outward or inward opening French doors.





Entrance doors

Classical wooden outer doors can be both 68 mm, 78 mm and 90 mm thick, and are manufactured in compliance with the Western-European standards. Classical outer doors are made of pine, oak or other wood, which has glass or wooden filling in the middle, thus, making the doors visually more sophisticated and maintaining security.

Wooden outer doors are equipped with high safety multipoint locking mechanisms, which are easy to use and are complex enough to guarantee high security degree. Glass elements in the door are manufactured from pack-glass, the thickness and type of which influence heat and sound insulation of outer doors.

Panel doors

Panel doors are made from a panel glued from both sides and designed by the Company. In order to ensure safety and durability of these doors and to guarantee resistance against the effect of humidity and bending, metal plates are integrated in the panel from both sides. For better energy efficiency, the panel is filled with an insulating material. These doors can be manufactured in almost unlimited variations of design, matching the customer's specifications with the abilities of the Company. To ensure better functionality, we offer only the best locking mechanisms and handles from ASSA and KFV.

Outward Opening Balcony doors

Scandinavian type outward opening balcony doors are possible to fix in any ventilation mode with the help of a handle. These doors can be combined with openable windows or fixed frame windows. Three different threshold options are available — low aluminium threshold 22 mm, pine/aluminium 42 mm or oak threshold 57 mm. As with the windows, the balcony doors are tested in the SP Technical Research Institute of Sweden, and the wooden/aluminium doors have obtained the certificate of "P" marking (www.sp.se). These doors can be manufactured from wood or a combination of wood and aluminium where aluminium covers the outer part of the frame and sash.



One sash doors

The Company offers inner doors with one sash made from pine or oak with wooden or glass panels according to the design chosen by the customer. Natural wooden materials ensure good sound insulation, easy maintenance and visual attraction. Wooden inner doors are natural and pleasant to use. These doors can be painted or treated with special varnishes, matching them with the interior and guaranteeing resistance against moisture or other external environmental factors.

Two sash doors

Wooden inner doors with two sashes are intended for wider door openings, where it is necessary to limit the rooms or to maintain an open planning at the same time. Glued solid wood inner doors manufactured by the Company are durable, soundproof, and pleasant to use them daily, which guarantees the highest possible comfort. The Company choses only one wood for the inner doors as well. No other material is able to ensure the pleasant feeling of heavy door opening, which, in combination with qualitative hinges, guarantees their easy usage. The variety of wooden inner door design, paint, as well as varnish guarantees a solution for any project and client's desire

Outward Opening Folding doors

Outward opening folding doors ensure great functionality and visually attractive appearance at the same time. Another positive aspect of these doors is the low wooden threshold — it gives extra comfort when walking through houses or public places. The Company offers outward opening folding doors with Centor hardware that ensures a very wide range of opening options and allows covering openings of different width and height. Despite the wide sash of folding doors, which can reach up to 16 metres, they ensure efficient heat and noise insulation. It is possible to make folding doors with aluminium cladding. These doors can be manufactured from both — wood or a combination of wood and aluminium where aluminium covers the outer part of the frame and sash.









GU sliding doors

Sliding wooden doors are a good alternative both for inner and outer doors. They require little space, thereby rooms can be used optimally. Sliding doors extend the space, ensuring a similar flow of light as a window. Sliding doors are becoming an increasingly popular solution in public buildings and among the owners of private houses. By equipping these doors with qualitative locks, a high level of security can be guaranteed, alongside with heat and sound insulation similar to that of wooden hinged doors. The Company offers GU sliding doors with an oiled oak threshold, which provides an additional warm feeling. Accoya is another threshold option. It not only looks good and stylish, but also has high dimensional stability.

Roto Patio Z Tilt & Slide doors

The Company offers wooden Roto Patio Z folding and sliding doors convenient and easy to use due to high-quality Roto mechanism. Superior functionality and economy of space make these door of great solution for everyone. Roto Patio Z folding and sliding doors are great alternatives to windows or balcony doors enabling to safely and effectively air spaces also in the buildings where children or pets are present. These doors provide not only air circulation in space but also excellent heat insulation. In order to improve safety of the doors the Company offers to fit the doors with heat-strengthened glass resistant against impact and in the case of break it breaks into less dangerous pieces not forming sharp shards. We offer to try also glass with sound and sun protection.

Inward Opening Balcony doors

Inward opening or the so called Euro type balcony doors are the most common type of balcony doors used in Europe, including Latvia, due to their easy maintenance. There is a possibility to fully coat these doors with aluminium cladding from the outside, thus ensuring additional protection to the finish and extending the lifetime of the product. These type of doors can be manufa tured in different shapes — rectangular, triangular and in the shape of an arch. The hardware provided by the company Roto ensures faultless and long working life of the door mechanism.

WINDOW AND DOOR FRAMES













WINDOW AND DOOR FRAMES



WINDOWS AND DOORS









WINDOWS AND DOORS

FURNITURE ASSEMBLY











SELECTED PROJECTS

PRODUCT PORTFOLIO



Historical Climatrend windows (historical look accompanied with high energy efficiency according to today's energy efficiency standards). The total amount for the project was 108 windows.



Historical wooden windows for a large renovation project at Brivibas boulevard 21.



Wooden windows for a historical rebuild project at Cesis.





SELECTED PROJECTS

PRODUCT PORTFOLIO



















Villa Lake/Streich, Salthamn, Gotland



Uppsala, Sweden

SELECTED LARGE SCALE PROJECTS

PRODUCT PORTFOLIO







The Company's manufactured doors and windows have been installed in many noteworthy and large scale projects in Latvia and also abroad. The customers who usually buy the Company's manufactured windows and doors are satisfied with the quality, price, delivery terms, technological capabilities to design complex custom made doors and windows.

Selected large scale project samples are as follows:

- **Defense ministry in Norway** the Company manufactured authentic copies of historical windows based on the demands of project architects;
- Many projects in **United Kingdom** with the average amount of **600** windows and doors per project.
- The Company has manufactured doors and windows also for **Riga Regional Court**;
- The Company has also manufactured windows for **Latvia's embassy in Tallin**, Estonia, where several of the windows had such specific safety specifications, for example bulletproof glass;
- Apartment building in **United Kingdom** around **400** Scandinavian type balcony doors and topswig windows as shown below:

WOOD PRODUCTS

Decking / Accoya

Quality: A, B, C

Structure: Finger-jointed **Humidity level:** 8% +/- 2%



Decking / Pine

Quality: A, B, C

Structure: Finger-jointed **Humidity level:** 8% +/- 2%



Decking / Pine

Quality: A, B, C

Structure: Finger-jointed, sawn timber with knots **Humidity level:** 8% +/- 2%



Scantling / Pine

Quality: A, B, C

Structure: Finger-jointed, KKK, radial/tangencial/radial **Humidity level:** 8% +/- 2%



Cladding / Accoya

Narrow

Quality: A, B, C

Structure: Finger-jointed **Humidity level:** 16% +/- 2%

Thickness:



Cladding / Pine

Narrow

Quality: A, B, C

Structure: Finger-jointed **Humidity level:** 16% +/- 2%



Cladding / Pine

Narrow

Quality: A, B, C

Structure: Finger-jointed, sawn timber with knots

Humidity level: 16% +/- 2%



WOOD PRODUCTS

Cladding / Accoya

Wide

 $\textbf{Quality:} \ \mathsf{A, B, C}$

Structure: Finger-jointed **Humidity level:** 16% +/- 2%



Cladding / Pine

Wide

Quality: A, B, C

Structure: Finger-jointed **Humidity level:** 16% +/- 2%



Cladding / Pine

Wide

 $\textbf{Quality:} \ \mathsf{A, B, C}$

Structure: Finger-jointed, sawn timber with knots **Humidity level:** 16% +/- 2%



Board / Pine

Edge-glued

Quality: AA

Structure: Finger-jointed **Humidity level:** 8% +/- 2%

Sanded: Yes



Board / Pine

Edge-glued

Quality: CC

Structure: Finger-jointed **Humidity level:** 8% +/- 2%

Sanded: Yes



Board / Oak

Edge-glued

 $\textbf{Quality:} \ AA$

Structure: Finger-jointed **Humidity level:** 8% +/- 2%

Sanded: Yes



Board / Oak

Edge-glued

Quality: AA

Structure: Solid, full stave **Humidity level:** 8% +/- 2%

Sanded: Yes





SAWNWOOD

PRODUCT PORTFOLIO



Standard sawnwood

- The sawnwood of pine, which are produced by the Company are widely used in the construction of houses and manufacture of high-quality interior elements, such as stairs and furniture.
- The unique manufacturing system specially designed by the Company makes it possible to produce sawnwood of pine in various sizes and thickness, with high resistance to deformation and a good sound and heat insulation. The Company offers wooden sawnwood of different qualities with a humidity level of 8% + /-2% and 12 + /-2%.
- The Company uses its manufactured sawnwood as raw material to produce windows and doors, where the Company manufactures all wooden raw materials for doors and widows in-house.



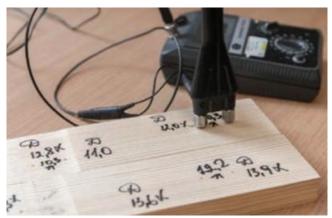
Custom made sawnwood

- The company has capability to manufacture sawnwood from exotic woods for example Accoya, Meranti, Iroko, Sapelli, Mahobi, Oak, Larch, etc.
- The Company also manufactures sawnwood from core (due to fact that in the timber core the spacing between annual rings is only 3-5 mm, there is high demand for timber core sawnwood which are used to manufacture wooden doors and windows for Scandinavian market).
- The Company also manufactures sawnwood for large size doors and windows, where the customers prefer to have less glued seams, thus only 60+ cm long wooden parts are used to manufacture such boards. As a result, doors and windows manufactured from such sawnwood are more visually appealing.

WOODEN PRODUCTS TEST LAB

MANUFACTURING





- In the Wooden product lab the boards and beams are being tested. Samples are taken and tests are done for all of the orders.
- The following tests are done:
- Measuring moisture;
- Glued seam quality test with iodine;
- Glued seam quality test with penetration method;
- Test with sample submerged in water in various temperatures;
- Drying in room temperature.

In case if any flaws are found, then the responsible employees are being informed, which is followed by a consecutive steps designed to find the reason why the quality standard was not met and designed to fix the problem as soon as possible.

GLUED TIMBER PRODUCTS

















GLUED TIMBER PRODUCTS









SAWMILL









STORAGE OF LOGS AND LOG EXCHANGE



PELLETS

PRODUCT PORTFOLIO



Pellets

- The Company produces high-quality wood pellets from woodchips and the chips of freshly sawn softwood log left overs in the production of windows, doors and other products. Wood pellets are manufactured using a specific technology developed by the company that ensures careful processing of the wood pellets, thus providing the highest quality.
- The Company offers the following types of pellets:
- 6 mm wood pellets, packed on wooden pallets in 15 kg bags, 0.96 tons per pallet;
- 8 mm wood pellets, packed on wooden pallets in 16 kg bags, 0.96 tons per pallet;
- The Company offers packing the pellets in Big Bags or soft containers, suitable for transportation and storage of bulky cargo;
- Packing solutions adapted to the customer's needs (number of packages on pallets, packing in bags of the customer's design, etc.);
- Pellets can be packed on FIN wooden pallets (100x120) and EUR-pallets (80x120).
- Pallets used for the wood pellets are packaged in a special film packing material to protect them against the adverse effects of weather (rain, snow, UV rays, etc.) and allows to store pellets outdoors.

Characteristics of the Company's manufactured wood pellets:

- Diameter 6
- Moisture 5.5 %
- Ash 0.3 %
- Heating capacity 5.0 kWh/kg;

- Bulk density 670 kg/m³
- Sulphur content 0.007 %
- Chlorine content < 0.005 %
- Attrition 1.1 %

WOOD PELLETS









WOODEN PELLET TEST LAB





- The tests in the pellets lab are done in accordance to DIN Certco and ENplus certification criteria. All test are done only with certified tools and equipment.
- The following tests are done:
- Test of pellet mechanical strength;
- Density tests;
- Humidity test;
- Length test;
- Amount of small participles test.
- In case if any flaws are found, then the shift manager immediately performs consecutive steps designed to find the reason why the quality standard was not met and designed to fix the problem as soon as possible.
- The damaged products are sent to be processed once more. Afterwards tests are being performed to certify that the problems has been fixed.
- The quality standards are ensured during all stages of manufacturing process starting from delivery of woodchips and ending with the moment when the products have left the manufacturing facilities.
- The small participles test and the shock resistance test for bag films are being videotaped and uploaded to a Youtube archive.

CERTIFICATES

CERTIFICATES

	Certificate	Since	Certified products	Audit frequency
FSC and the control of the control o	FSC (Forest Stewardship Council)	28.12.2001	All timber products (glued timber products, doors & windows, pellets)	Once a year
ift ROSENHEIM	IFT (Institut fur Fenstertechnik)	15.04.1997	Glued timber products used for manufacturing of European type doors and windows	Twice a year
ŠP	P-mark (SP Sveriges Tekniska Forskiningsinstitut)	25.05.2009	Scandinavian type doors and windows	Twice a year
BMTRADA	ISPMHT (International Standards for Phytosanitary Measures No.15)	08.12.2004	Wooden accessories	Once a year
NDVK NORSK DØR- OG VINDUSKONTROLL SERTIFISERT	NDVK (Norwegian Door and Window Control Certified)	10.09.2012	Scandinavian type doors and windows	Once a year
(DIN)	DINplus (Deutsche Industrie-Norm)	04.12.2013	Pellets	Once a year
EN plus	Enplus A1 (European Biomass Association)	22.01.2015	Pellets	Once a year
BMTRADA	Q-Mark	16.06.2016	English type doors and windows	Once a year
BMTRADA	ISO 9001:2008	02.12.2015	Quality Control	Once a year
(VAAD	02.12.2015	Packaging	Once a year
ISO 50001	ISO 50001 Energy management certificate	22.03.2017	The company's energy management system	Once a year

