



The section header "WOODEN WINDOWS" in a bold, black, sans-serif font, preceded by a vertical yellow bar.

WOODEN WINDOWS

LESNA manufactures wood windows using European-style window frames that are in compliance with all relevant Kosovo standards and also meet the highest CE Marking requirements.

The high-quality window manufacturing capability was created for over 50 years of experience and tradition in wood processing.



The raw material is 100% approved by the FSC (Forest Stewardship Council) and bears the FSC trademark, demonstrating that we are also committed to protecting the environment and forests.



All our wooden products are manufactured in line with the EN ISO9000 standard in order to ensure consistency in product quality.



Lesna is certified with CE standards in order to ensure that all products meet European health, safety and environmental norms.

TYPES OF WOOD

MERANTI WOOD



Windows are manufactured using sophisticated manufacturing techniques and machinery. This assures high-quality products and eliminates potential faults in windows.

Meranti wood belongs to the class of hardwood and is cultivated in Southeast Asia – Indonesia, Malaysia, etc.

The wood raw material is 100% approved by the FSC/PEFC and bears the FSC/PEFC trademark, demonstrating that we are also committed to environment and forests.

The colour of Meranti wood is usually brown with some reddish nuances, with some occasional lines. All our wood products are manufactured in line with the EN ISO9000 standard to ensure consistency in product quality.

Windows can be manufactured in the following colours:



Other colours may be made available on customer request.

SPRUCE WOOD



Windows are manufactured using sophisticated engineering techniques and machinery. This assures high-quality products and eliminates potential faults in windows.

Spruce is a famous wood for its extraordinary beauty and its unique characteristics.

This wood is soft and easy to process. Its colours range from white to a light pinkish hue. Its features make this wood suitable for manufacturing window.

The raw material is 100% approved by the FSC (Forest Stewardship Council) and bears the FSC trademark, demonstrating that we are also committed to environment and forests.

All our wood products are manufactured in line with the EN ISO9000 standard to ensure consistency in product quality.

Windows are impregnated to provide basic protection from decay and mould and finalized with a standard white colour coating RAL9010 with a total coverage of 160 microns (dry).

Other colours are also available on customer request. Transparent colours (lacquered) are also available.



Glazing

The thermopan glass used in manufacturing windows is transparent Float and Low-E glass, which means it is resistant to sunlight and keeps the heat inside during the winter.

This type of glass is 4mm thick with argon filling in the space between the glass panes, depending on whether double or triple glazed, which has higher insulation properties compared to air.



U-Value

In double glazed windows with 16mm argon filling, the glass alone can reach a U - value of 1.1W/m²K, whereas the entire window reaches a U - value of 1.2 to 1.4W/m²K.

In triple glazed windows with 22 mm argon filling, the glass alone can reach a U - value of 0.74 W/m²K, whereas the entire window reaches a U - value of 1.0 to 1.24W/m²K.



How to open

The windows are equipped with a Roto NT/K mechanism enabling an easier and safer opening of windows. This mechanism is resistant to a weight of up to 100 kg.

Windows have vertical and horizontal opening options. Maximum opening height is:

- White-framed windows: 2.40m
- Colour-frame windows: 2.40m



Noise reduction

Along with the outstanding insulation performance comes a proportional noise transmission reduction.

Depending on whether the windows have double or triple glazing, a noise transmission reduction of up to 30dB can be achieved.







Profile
68mm



Profile
78mm



Profile
92mm





WOOD-ALUMINIUM WINDOWS

LESNA manufactures wood-aluminium windows using European-style window frames which meet all relevant Kosovo standards.

The high-quality window manufacturing capability was developed over 50 years of experience and tradition in wood processing.

Wood-aluminium window manufacturing combines the best features of both materials. Wood is warm and absorbs the sound well, and provides comfort and warmth in your house. Aluminium is a modern high-technology product that is particularly resistant to external impact. The aluminium coating is relatively light and does not add additional weight to windows.



The raw material is 100% approved by the FSC (Forest Stewardship Council) and bears the FSC trademark, demonstrating that we are also committed to protecting the environment and forests.

All our wooden products are manufactured in line with the EN ISO9000 standard in order to ensure consistency in product quality.

Lesna is certified with CE standards in order to ensure that all products meet European health, safety and environmental norms.



WOOD

Windows are manufactured with sophisticated engineering techniques and machinery. This assures high-quality products and eliminates potential faults in windows.

The raw material is 100% approved by the FSC (Forest Stewardship Council) and bears the FSC trademark, demonstrating that we are also committed to environment and forests.

All our wood products are manufactured in line with the EN ISO9000 standard to ensure consistency of product quality.

TYPES OF WOOD

The following types of wood are used in manufacturing windows:

MERANTI WOOD



SPRUCE WOOD



Windows can be manufactured in the following colours:



Other additional colours are available on customer request.

Windows are impregnated to provide basic protection from decay and mould and finalized with a standard white colour coating RAL9010 with a total coverage of 160 microns (dry).

Other colours are also available on customer request. Transparent colours (lacquered) are also available.



ALUMINIUM

The aluminum layer, which is integrated in the external side the window, is 1.5 mm thick.

When the aluminium is fixed to the window, the window width increases to 18mm ;
The standard colour of aluminium is white according to RAL9010.

Other additional colours are available on customer request.



Glazing

Thermopane glass used in manufacturing windows is transparent glass Float and Low-E glass, which means that it is resistant to sunlight and keeps the heat inside during the winter. This type of glass is 4mm thick with argon filling in the space between the glass panes, depending on whether double or triple glazed, which has higher insulation properties compared to air.



U-Value

In double glazed windows with 16mm argon filling, the glass alone can reach a U - value of 1.1W/m²K, whereas the entire window reaches a U - value of 1.2 to 1.4W/m²K.

In triple glazed windows with 22 mm argon filling, the glass alone can reach a U - value of 0.74 W/m²K, whereas the entire window reaches a U - value of 1.0 to 1.2W/m²K.



Ways of opening

The windows are equipped with a Roto NT/K mechanism enabling an easier and safer opening of windows. This mechanism resists to weight of up to 100 kg.

Windows have vertical and horizontal opening options. Maximum opening height is:

White-frame windows: 2.40m
Colour-frame windows: 2.40m



Noise reduction

A proportional noise transmission reduction comes along with outstanding insulation performance. Depending on whether windows have double or triple glazing, a noise transmission can be reduced up to up to 30dB.

SYSTEMS



Profile
68mm

Standard System



Profile
78mm

Standard System



Profile
92mm

Standard System



Complanare



System 5000 S



System zero



Termoscudo, Easy Line





LESNA PVC

Our windows, which are manufactured in line with the highest standards, are the most technologically advanced in Kosovo and are made from REHAU profiles, which are thermally efficient in energy saving.

LESNA manufactures high-performance windows.
The profiles are cleverly and intelligently designe



DESIGNS OR PROFILES

Current production line is based on ECOSOL DESIGN and SYNEGO

ECOSOL DESIGN



Maximum and minimum dimensions:

With 2 glass panes

Glass pane: 4mm
Space between glass panes: 16mm (4mm (xh)+16mm(h)+4mm(xh))

Minimum dimension:

400mm (width),
400mm (height)

Maximum dimension:

1100mm (width), 2400mm (height) (white frame)
1100mm (width), 2250mm (height) (colour frame)

SYNEGO



With 3 glass panes:

Glass pane: 4mm
Space between glass panes: 10mm + 12mm (4mm(xh)+10mm(h)+4mm(xh)+12mm(h)+4mm(xh))

Minimum dimension:

400mm (width), 400mm (height)

Maximum dimension:

1100mm (width), 2400mm (height) (white frame) 1100mm (width), 2250mm (height) (colour frame)

All other dimensions, including fixed ones, are manufactured upon customer request.



Glazing

Thermopane glass used in manufacturing windows is transparent Float and Low-E glass, which means that it is resistant to sunlight and also keeps the heat inside during the winter.

This glass is 4mm thick and the space between glass panes, whether double or triple glazed, is filled with argon gas, which has higher insulation properties than air.



How to open

The windows are equipped with a Roto NT/K mechanism enabling an easier and safer opening of windows. The mechanism resists the weight of up to 100 kg.

Windows have vertical and horizontal opening options. Maximum opening height is:

White-framed windows: 2.40 m
Colour-frame windows: 2.25 m



Gaskets

Apart from few exceptions, the main profiles have gaskets inserted inside the frame. These frames have factory inserted gaskets that help to normalize the heat and reduce the outside noise.

U-VALUE
0.66W/m²K

U-Value

In double glazed windows with 16mm argon filling, the window reaches a U - value of 0.84W/m²K.

In triple glazed windows with 22 mm argon filling, the window reaches a U - value of 0.66W/m²K.



Noise reduction

Along with the outstanding insulation performance comes a proportional noise transmission reduction.

Depending on whether windows have double or triple glazing, a noise transmission can be reduced up to 46dB.





COLOURS

The standard colour is white, golden oak and mahogany. LESNA also offers windows with different colours, depending on orders.

PROPERTIES

- Air permeability: up to class: 4 (DIN EN 12207)
- Resistance to rain: up to class: 9A (DIN EN 12208)
- Resistance to wind: up to class: C5 (DIN EN 12210)
- Sound insulation (glass thickness 2x 4mm or 3x 4mm) corresponds to insulating glass unit: $R_w = 46\text{dB}$ according to EN 14351-1 results
- Thermal insulation: (DIN EN ISO 10077-1)

LESNA manufactures windows that meet the standard BS7412:2007, a standard that covers the manufacturing of PVC windows and safety standard BS7950.





LESNA ENTRY DOORS

With an established reputation for commitment to innovative design, unprecedented craftsmanship and excellent customer service, LESNA has designed, manufactured and built reliable and stylish entry doors for houses, apartments and buildings throughout Kosovo for more than 50 years.

Our wood entry doors are of high quality and in line with European standards, and always respond to customer requirements.



The raw material is 100% approved by the FSC (Forest Stewardship Council) and bears the FSC trademark, demonstrating that we are also committed to protecting the environment and forests.



All our wooden products are manufactured in line with the EN ISO9000 standard in order to ensure consistency in product quality.



Lesna is certified with CE standards in order to ensure that all products meet European health, safety and environmental norms.



MATERIAL

Doors are manufactured with sophisticated engineering techniques and machinery. This assures high-quality products and eliminates potential faults in doors.

Types of wood used for door manufacturing are Meranti and Spruce wood, as well as plastic, depending on customer requests.

Meranti wood belongs to the class of hardwood and is cultivated in Southeast Asia – Indonesia, Malaysia, etc.

The colour of Meranti wood is usually brown with some reddish hues, occasionally with some light lines.

Spruce is a wood famous for its extraordinary beauty and its unique characteristics.

This wood is soft and easy to process with colours ranging from white to a light pinkish hue. Its features make this wood suitable for manufacturing doors.

The raw material is 100% approved by the FSC (Forest Stewardship Council) and bears the FSC trademark, demonstrating that we are also committed to environment and forests. All our wood products are manufactured in line with the EN ISO9000 standard to ensure consistency of product quality.

MODELS

Entry door models and designs are made depending on customer requests. They can be manufactured with glass panes or wood slabs.



Glazing

Thermopane glass used in manufacturing windows is transparent Float and Low-E glass, which means that it is resistant to sunlight and keeps the heat inside during winter. This type of glass is 4mm thick with argon filling in the space between the glass panes, depending on whether double or triple glazed, which has higher insulation properties compared to air.



U-Values

Depending on customer preference for door design or model, the U-value is always low.



Noise reduction

A proportional noise transmission reduction comes along with outstanding insulation performance.





Meranti Wood
Color: Polisander



Meranti Wood
Color: White



Meranti Wood
Color: Light Mahogany



Meranti Wood
Color: Light Brown



PVC
Color: Golden



LESNA ROLLER BLINDS

LESNA offers modern and high quality aluminium roller blinds that are strong, safe and durable regardless of weather conditions.

LESNA WINDOW BLINDS COME IN TWO MODELS:

- Exterior roller blinds
- Interior roller blinds



EXTERIOR ROLLER BLINDS

This profile of roller blinds is external, which means that the blinds case is integrated outside the house.

The blinds case is made of aluminum.

The roller blinds slats are 37mm in height and 8mm in width and filled with insulators.

INTERIOR ROLLER BLINDS

This roller blinds profile is mounted indoors, which means that the blinds case is integrated inside the house.

The blinds case is made of PVC and contrary to exterior roller blinds case; it is filled with Styrofoam to provide better thermal insulation.

The roller blinds slats are 37mm in height and 8mm in width and filled with insulators.



ENERGY EFFICIENT

The design or construction of these roller blinds, whose slats are filled with insulation, protect the rooms from sun rays and thus keep the room cool during hot summer months.

Alternatively, pulling down or closing roller blinds during the winter not only makes the room look cosier, but can actually make it warmer.





ROLLER BLIND OPENING OPTIONS

LESNA roller blinds are available with three different modes of opening and shutting:

1. Motorised
2. Chain driven
3. Spring operated



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