



CONTENTS

TYPES OF WOOD	10
NATURO 68	14
NATURO 76	16
NATURO 88	18
NATURO 65 ALU	20
NATURO 75 ALU	22
ESPERIA LIFE 80	24
ESPERIA LIFE 74 ALU	25
ESPERIA LIFE 86 ALU	26
NATURO 68/76 HST	28
ACCESSORIES	31
MODEL WINDOWS AND DOORS	42
WOODLINE DOOR PANELS	44
EKOVITRE DOOR PANELS	52
WOODEN DOORS	56
CROSS-SECTIONS	67





TIMELESS WOODEN WINDOWS AND DOORS

Wooden windows are an option for those who appreciate the beauty and natural character of wood. They will satisfy those who like to enjoy bright and spacious interiors. Wooden windows add character to any room and make it cosier. The natural appearance of wood pleases the eye and "warms" the interior.

The windows are available in the depths of the frame construction - 65, 68, 74, 75, 76, 80, 86, 88 and 92 mm. They are made of four types of wood - pine, spruce, meranti or oak. Wooden windows are also available with an aluminium cover, which provides additional protection against external factors and provides unlimited arrangement possibilities.



INDIVIDUALISM

We adapt individual projects to the user's requirements, as well as the appearance and character of the building. Knowledge and experience in the production of wooden joinery allow us to create projects that fully meet customer expectations. Depending on the needs, wooden windows and doors can take various forms. The most unusual projects require precise calculations by specialists, which should not discourage individual and creative implementation.



VARNISHES

A wide range of colours of varnishes allows for individual configuration of the order and matching wooden windows and doors to any interior and style. Apart from aesthetics, they also fulfil many other functions. Varnishes create a durable layer on the surface of the wood, which provides maximum protection against adverse external conditions.



TRANSPORT

In order to ensure timely delivery of orders, we have created our own fleet of trucks. Each of them is equipped with a forklift, therefore, in addition to transport, we also unload the order at the indicated place. In response to your needs, each of our vehicles has been equipped with a payment terminal, making it possible to pay by card directly to the driver.

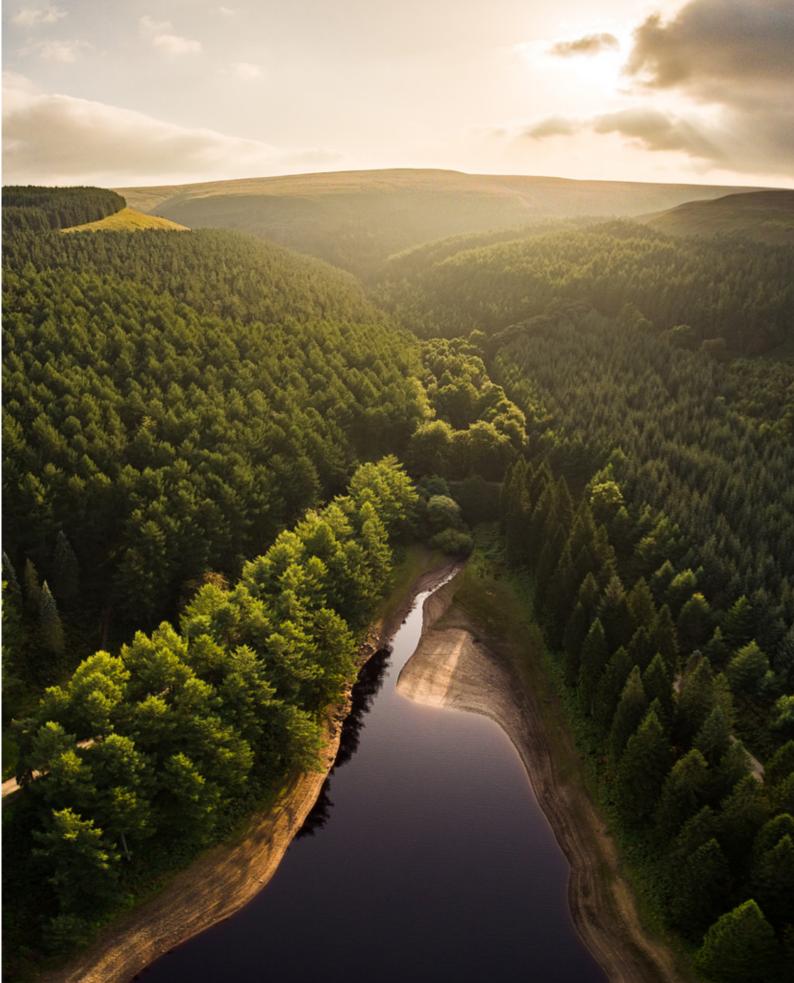


ECOLOGY

Wood is a valuable, natural raw material and completely renewable. Its use in production allows to reduce CO2 emissions. We use FSC-certified wood for production, which means that the raw materials come from proven and approved sources. This makes our activities socially responsible and environmentally friendly. Less energy is used to produce wooden windows and doors than other raw materials. Wood has a negative impact on global warming by reducing the amount of CO2 in the atmosphere throughout its lifetime. It also reduces energy costs, being a natural thermal insulator.



With the good of the environment in mind, we are improving our operations and undertaking environmental initiatives daily. One of these is this year's tree-planting campaign. By doing so, we are supporting biodiversity, combating drought and improving air quality.



TYPES OF WOOD*



PINE

The most popular coniferous species used in the production of wooden windows. Pine wood is characterized by a favourable price and high availability. It is an excellent insulating material and is characterized by high resistance to external factors.



SPRUCE

Spruce wood is easy to work with, so it is widely used in the production of windows and doors. It is not only durable, but also resistant to acids and bases. It dyes well, so you can get beautiful colours of the woodwork made of it.



MERANTI

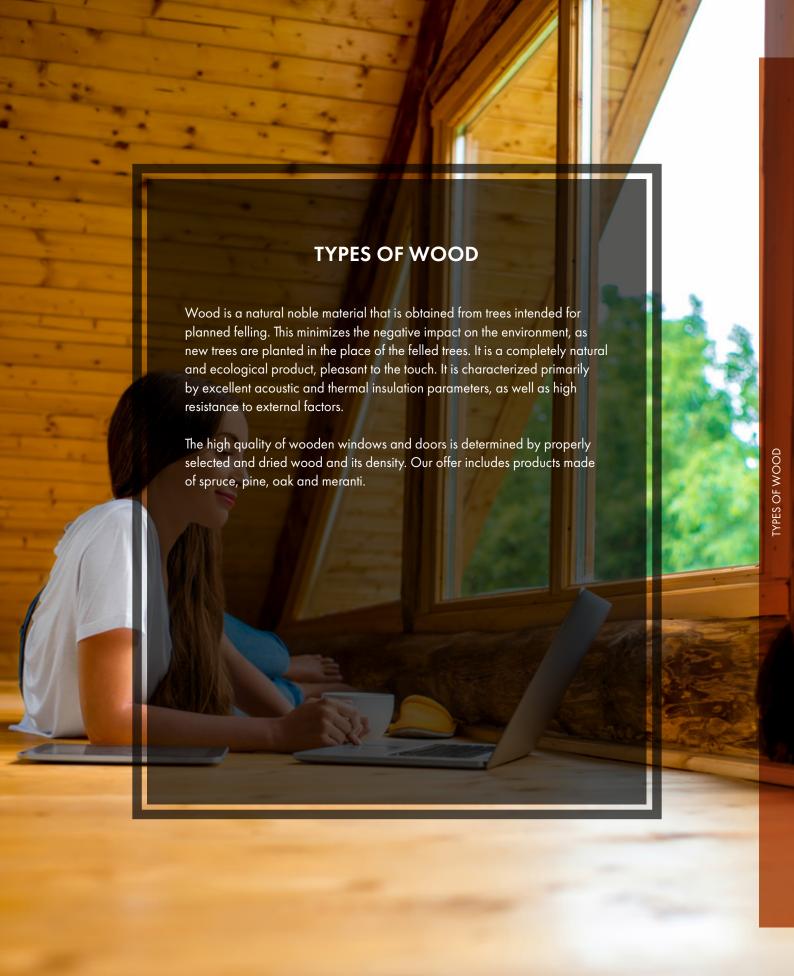
Meranti is an exotic species of wood that is characterized by high density and durability. It has a high resistance to moisture, a low probability of cracks and very good thermal and acoustic insulation parameters. Windows with meranti will please everyone who is looking for exotic beauty combined with high quality and durability.



OAK

It is the most durable wood used in the production of window and door joinery. It provides the best strength parameters among all species found in Poland. Due to its density, oak has a much better soundproofing factor.

^{*} All types of wood are painted with lazures or opaque paints.







NATURO 68

WINDOW SYSTEM



68

24-32

layers of glued wood

layers of varnish

1,3

Uw for Ug = 1 [Ultimate spacer]

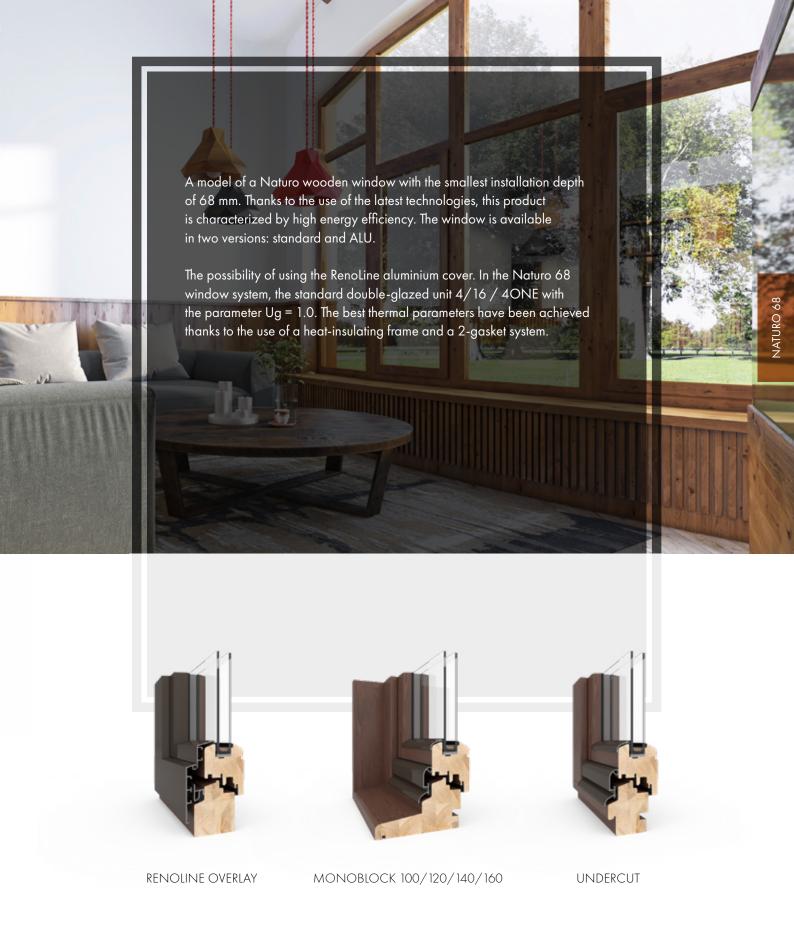


glazing with packages [mm]

gaskets

Ultimate spacer





NATURO 76

WINDOW SYSTEM



76

construction depth [mm]

28-41

glazing with packages [mm] 3-4

layers of glued wood 4

layers of varnish

2

gaskets

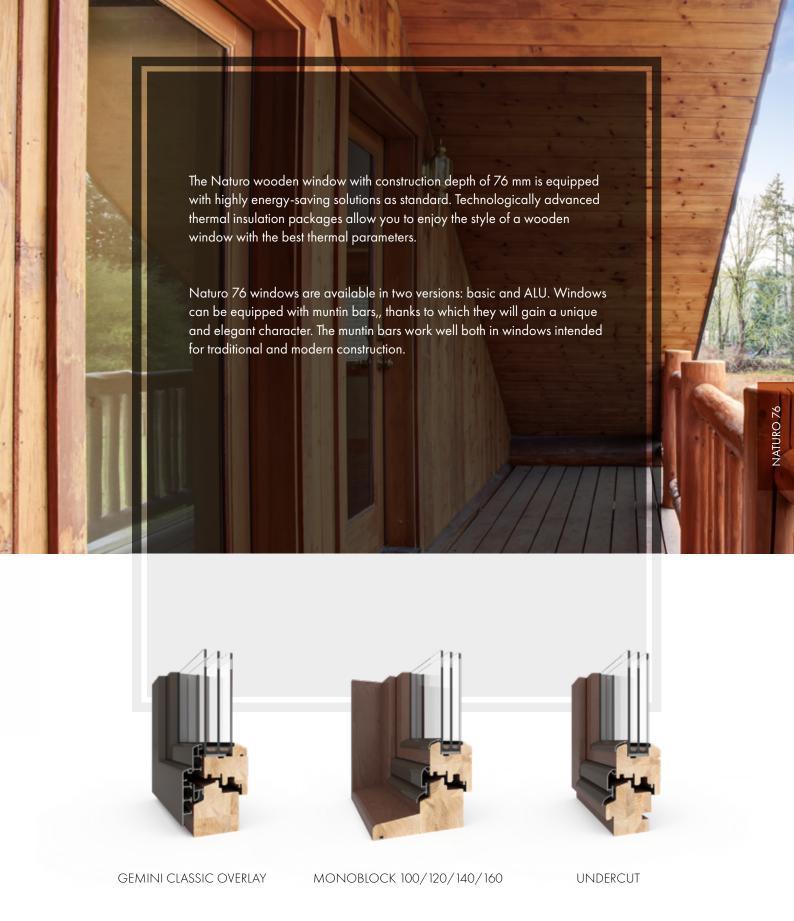
0,9

Uw for Ug = 0,6 [Ultimate spacer]





Ultimate spacer



NATURO 88

WINDOW SYSTEM



88

construction depth [mm]

48-51

glazing with packages [mm] 3-4

layers of glued wood 4

layers of varnish

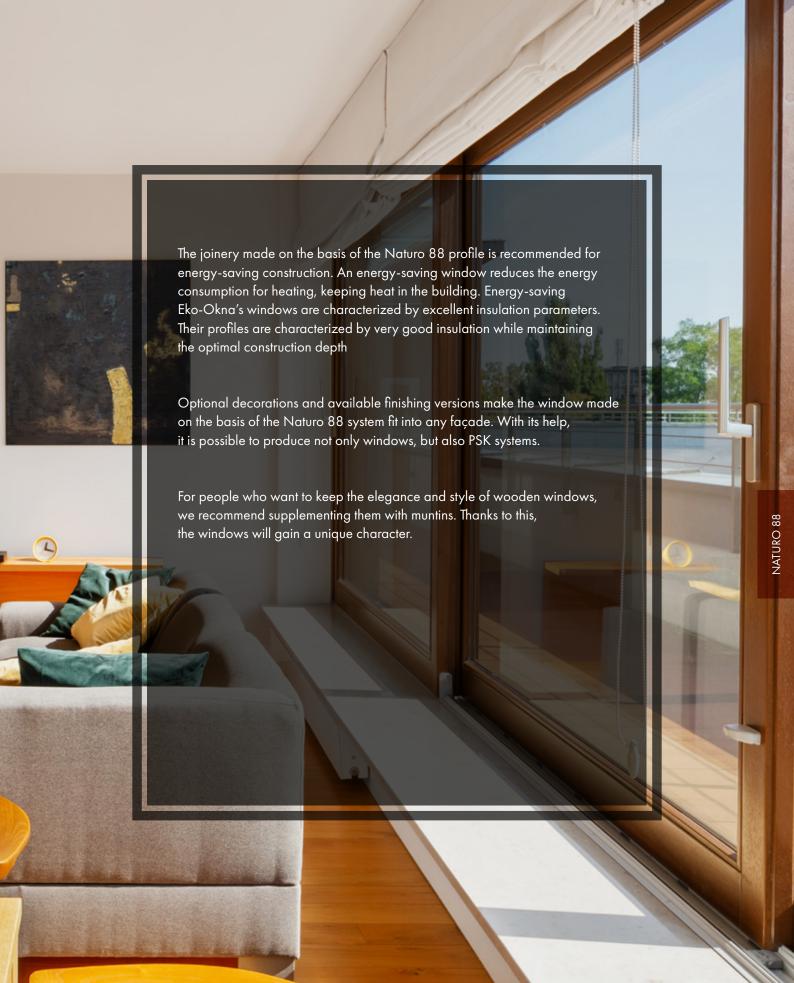
2

gaskets

0,76

Uw for Ug = 0,5 [Ultimate spacer]





NATURO 65 ALU

WINDOW SYSTEM



65

construction depth [mm] 26-32

glazing with packages [mm] 3

layers of glued wood 4

layers of varnish

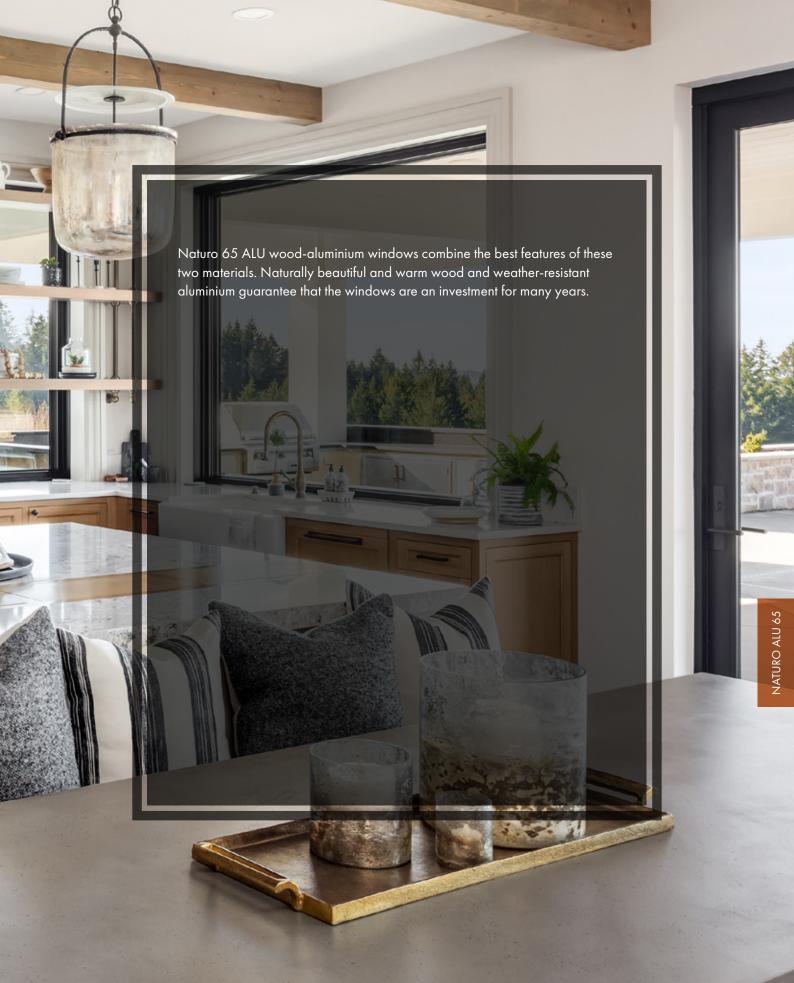
3

gaskets

0,99

Uw for Ug = 0,7 [aluminium spacer]





NATURO 75 ALU

WINDOW SYSTEM



75

construction depth [mm]

32-50

glazing with packages [mm]

layers of glued wood

layers of varnish

gaskets

0,89

Uw for Ug = 0,6 [aluminium spacer]





ESPERIA LIFE 80

WINDOW SYSTEM



80

construction depth [mm] 24-48

glazing with packages [mm]

4

layers of glued wood 4

layers of varnish

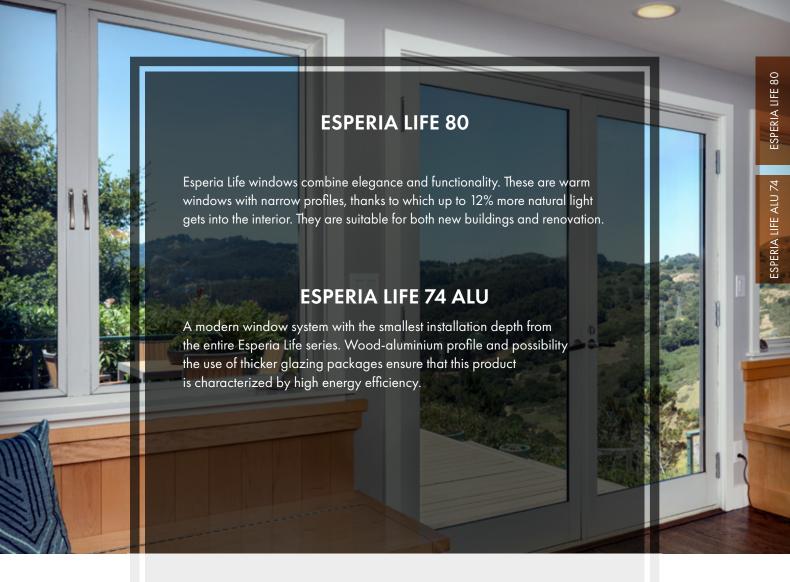
3

gaskets

0,86

Uw for Ug = 0,5 [Ultimate spacer]





ESPERIA LIFE 74 ALU

SYSTEM WITH ALUMINIUM COVER



74

construction depth [mm]

ESPERIA LIFE 86 ALU

WINDOW SYSTEM



86

construction depth [mm] 24-58

glazing with packages [mm]

4

layers of glued wood 4

layers of varnish

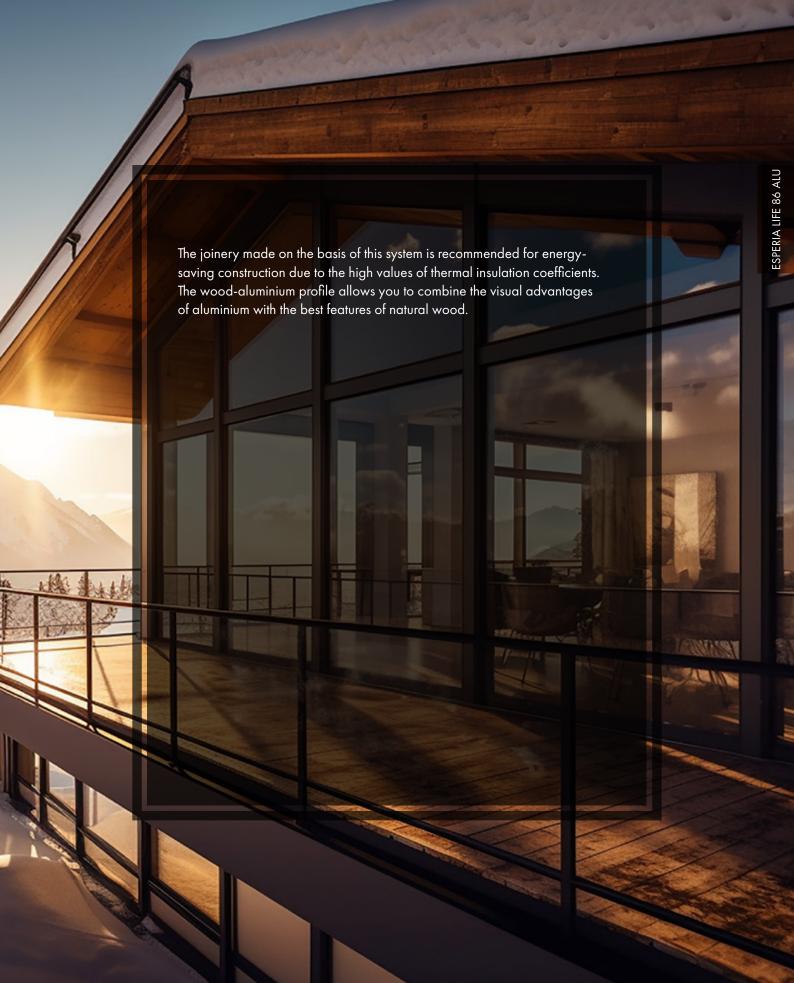
3

gaskets

0,8

Uw for Ug = 0,5 [Ultimate spacer]





NATURO 68 HST

NATURO 76 HST

SLIDING SYSTEM

SLIDING SYSTEM





3,3

max. sash width [m]

1/2

guiding rails

3

height [m]

164

construction depth [mm] 1/2

guiding rails

2,8

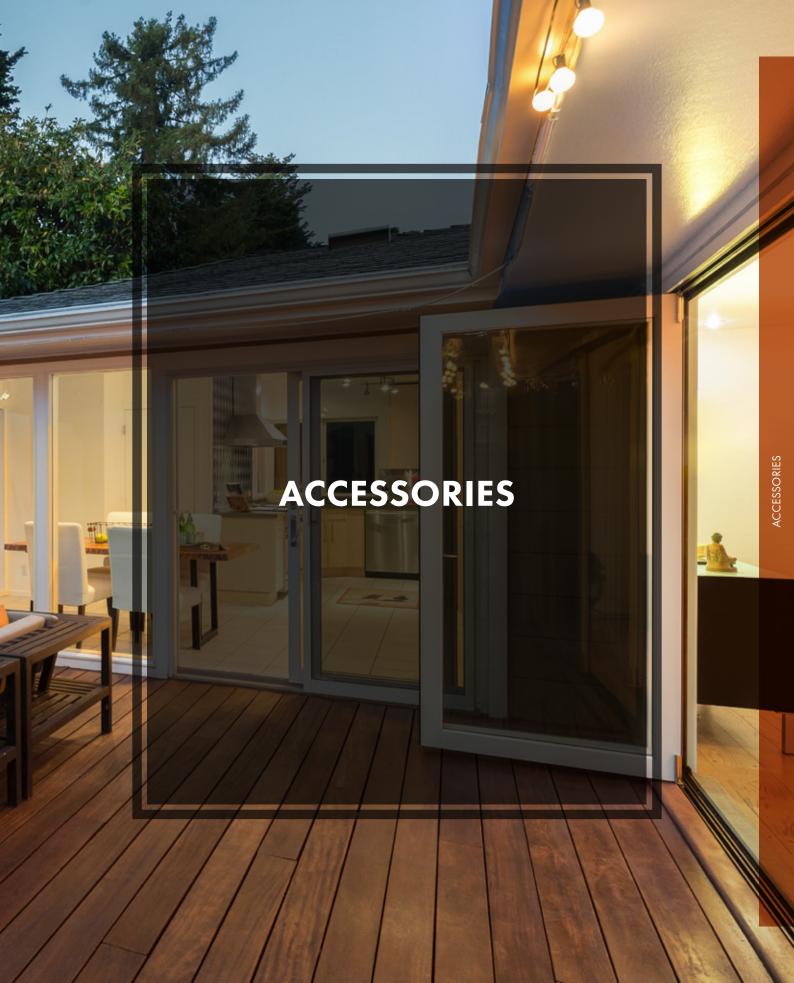
height [m]

180

construction depth [mm]









DUTCH PROFILE

Blockprofil 115 mm is dedicated to the Dutch market. A characteristic feature of these profiles is a wide frame, a very stable and strong frame. The main distinguishing features of this structure are clearly defined edges and boldly designed frame and sash components.



BELGIAN PROFILE A

Due to its specificity and unique aesthetic qualities, it is mainly used in France, Belgium and the Netherlands. In the Belgian system, instead of aluminium, windows use drip caps made entirely of wood.



BELGIAN PROFILE B

Due to its specificity and unique aesthetic qualities, it is mainly used in France, Belgium and the Netherlands. In the Belgian system, instead of aluminium, wooden drip caps with eaves strips are used and, at the customer's request, a RETRO strip is added.



GLASS PANES

The selection of a glazing package is often limited to the selection of the number of panes, which makes them more or less energy-efficient. However, our offer is much wider. We offer energy-saving, sound-absorbing, safe, anti-burglary and anti-sun glass panes. In addition, we have a wide range of ornamental glass in several dozen designs to choose from.

The inter-pane space of the formed units is usually filled with 90% argon. We also offer krypton-filled glass, thanks to which it is possible to obtain a heat transfer coefficient of up to 0.3~W / m^2K .

The possibility of combining different types of glass and a smaller or more glass panes allows to obtain the appropriate parameters for each type of windows and doors from our offer.

We present a summary of the basic types of insulating glass with a description of their functions:



1-chamber glazing packages

Single-chamber double glazing composed of two glass panes. It is a standard for basic window and door systems.



Double-chamber glazing

Double-chamber insulated glass increase thermal comfort in the room. Separation of the inter-pane space with an additional glass pane significantly reduces heat transfer.



Sound-absorbing

Insulating glass units with a special acoustic foil provide an increased level of soundproofing.



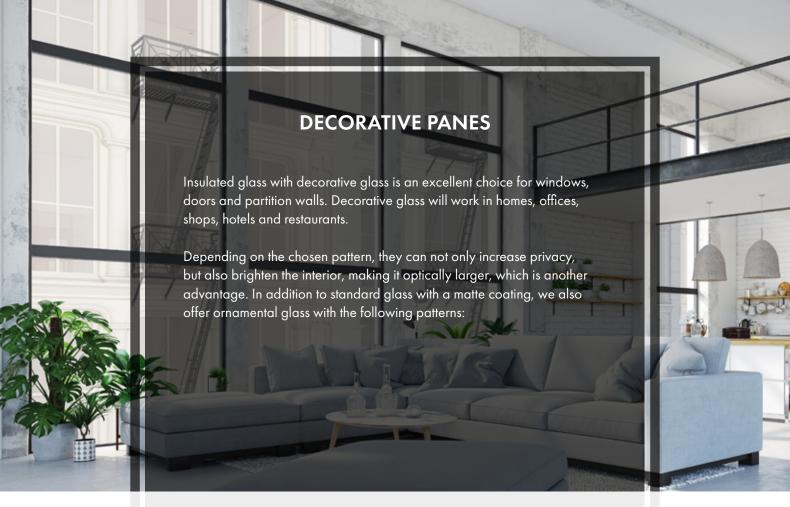
Safe

Laminated and / or toughened panes increase safety. Their puncture or shatter resistance is tailored to the customer's requirements.



Solar control

Glass allowing the reduction of the flow of light and solar energy into the room. They are offered with selective, absorbent or reflective glass.







































MUNTINS

The muntin bars give the windows an elegant and unique character, and in some cases are an indispensable decorative element referring to the old architectural style.



Constructive

They are located in the wing structure and divide the glass into parts. They are always wooden and in the colour of the window sash.



Inter-pane

The aluminium muntins in the glazing package are already assembled at the supplier's. They have the colour of the interpane frame (a large selection of colours). Available frame widths: 8, 18, 26 and 45 mm.



Glued on

This type of muntin bars is glued onto the glass. There is a duplex inside that can be in the colour of a warm spacer or silver. The muntins are glued in the same colour as the window sash.

Aluminium covers

In windows with aluskin overlays, the muntins are made of aluminium from the outside, while inside they are wooden in the colour of the sash.

SPACER FRAMES SWISSPACER ULTIMATE

In addition to the standard frame made of aluminium, we also offer one of the best warm spacers available in the world.

With the Swisspacer Ultimate spacer, the Ψ factor is only 0.03 W / m²K. The lower value of this coefficient not only reduces the possibility of water vapour condensation on the edges of the glass, but also allows for a significant reduction of the thermal transmittance coefficient for the entire window.

The frames are available in several colours from the RAL palette.



FITTINGS

Multi-point locking hardware in the RC1 and RC2 security class. When choosing windows, it is worth paying attention to the class of anti-burglary protection.

RC1 and RC2 are burglary resistance classes that have been defined in the European standard PN-EN 1627: 2012. The markings tell you how effective the window technique is for a burglar. It is determined based on very strict criteria. RC2 windows should be installed where there is a risk of burglary. They will work well on high and low ground floors - places to which a thief can get very easy access, as well as at balcony and terrace doors. RC1 windows, in turn, have standard security.

WOODEN WINDOW SILLS

Window sill patterns matched to the appearance of the window.



ADDITIONAL WINDOW ACCESSORIES

- door handles with a key,
- handles with a button,
- angle connectors,
- diffusers,
- extensions,
- angles,
- masking strips.

In addition to standard window handles, we also offer handles with a button or key blocking the possibility of opening the window. We also offer a wide selection of shapes and colors, so you can easily match them to the appearance of the selected joinery. We also offer handles with an anti-drill lock and meeting the burglary resistance requirements in the RC1-RC6 class.



Many different handle designs are available, please contact your sales representatives for more information.

DRIP CAPS

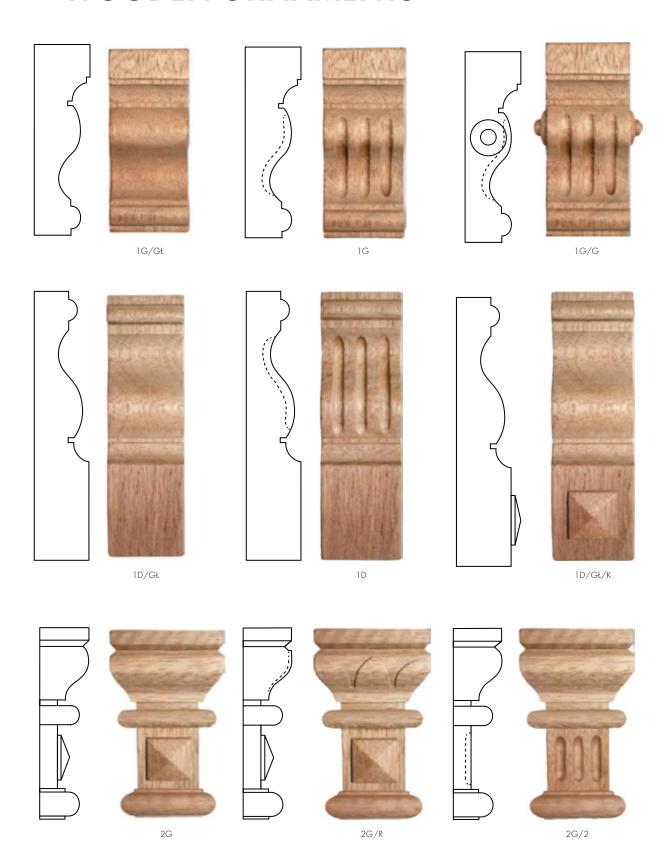


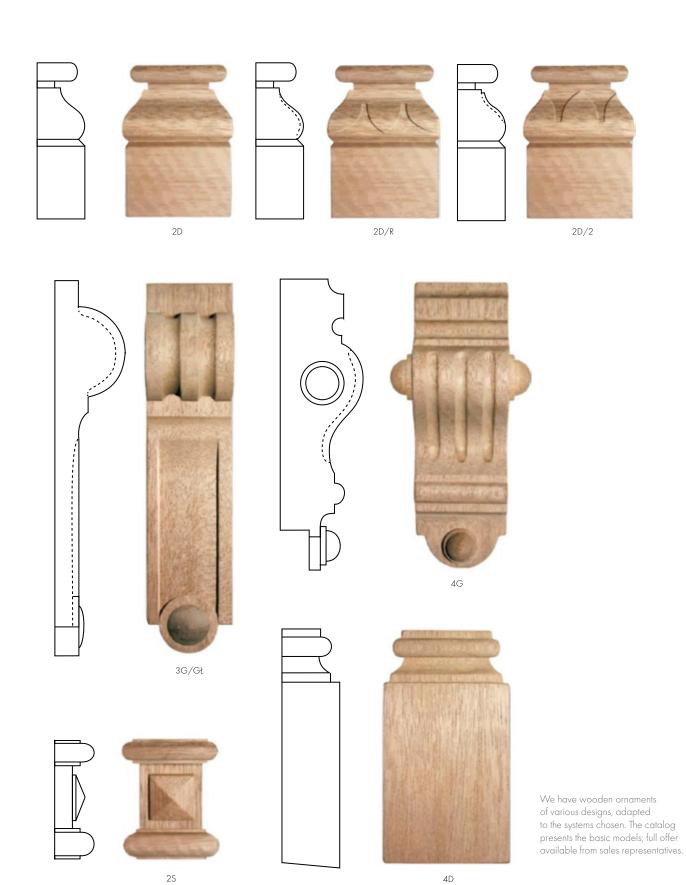
Aluminium

Installed as standard.



WOODEN ORNAMENTS









MODEL WINDOWS AND DOORS

We offer arched and slanted woodwork that fits perfectly into buildings in various styles. Investors more and more often choose unusual shapes.

Arched windows give the interior and facade a unique character. They are also often ornaments of classic mansions, historic palaces and buildings. Slanted windows, on the other hand, are a proposal for modern buildings, which in their form refer to more traditional facilities.

We focus on the latest technology, thanks to which we are able to adapt to individual customer expectations. Thanks to the highest quality materials and the latest technologies, the only limit is your imagination.



arch



triangle



trapeze



circle



WoodLine

WOODLINE DOOR PANELS

The WoodLine door collection was created for the supporters of modern and practical solutions based on traditional materials. There are slightly more simple, milled door designs or models with glazing to choose from. Thanks to high-quality varnishes, the door is resistant to external conditions and easy to maintain.



^{*} The panel is not solid wood, so there may be differences in the shades of lasures.







Colours according to the TEKNOS coluor palette and the RAL colour guide. Possibility to use a matte coating of WALA handrails, numeric keypad, letterbox, visor.









Colours according to the TEKNOS coluor palette and the RAL colour guide. Possibility to use a matte coating of WALA handrails, numeric keypad, letterbox, visor.









Colours according to the TEKNOS coluor palette and the RAL colour guide. Possibility to use a matte coating of WALA handrails, numeric keypad, letterbox, visor.







EKOVITRE DOOR PANELS

It is not only style and elegance, but also safety and energy efficiency. The 36 mm thick panels are made of two sheets of VSG glass, one of which has sand-blasted patterns. The space between the glass is filled with noble gas. The panels are made of high-quality materials that guarantee an aesthetic appearance and durability.

A very large number of designs available in our offer allows for a huge amount of arrangement possibilities. EkoVitre door panels are not only an ornament, but also protection against noise and heat loss.













Standard glazing in door panels is made of frosted glass.

Construction of batch glass panel: VSG 44.4, sandblasting as per pattern, 18 mm frame,
VSG 44.2 Plth. XN. Panel thickness 36 mm, max. dimension 2200x950 mm, min. dimension 1700x700 mm.

WOODEN DOORS

They were created for customers who appreciate simplicity, elegance and naturalness. The unique style, unusual forms of decorations, specially selected materials and modern technologies guarantee their use for many years.

The great advantage of wooden doors is very good thermal insulation. Compared to other types of doors, such as aluminium or plastic, wooden has better thermal insulation properties. This means that they help to maintain a constant temperature level inside buildings, which contributes to lower heating costs.

Wooden doors look elegant and can be made of various types of wood, thanks to which they will fit perfectly into any type of building and facade style.



















VARNISH COLOURS*



VARNISH COLOURS*



 * the colour of the varnish may vary depending on the type of wood



DOOR HANDLES AND HANDRAILS

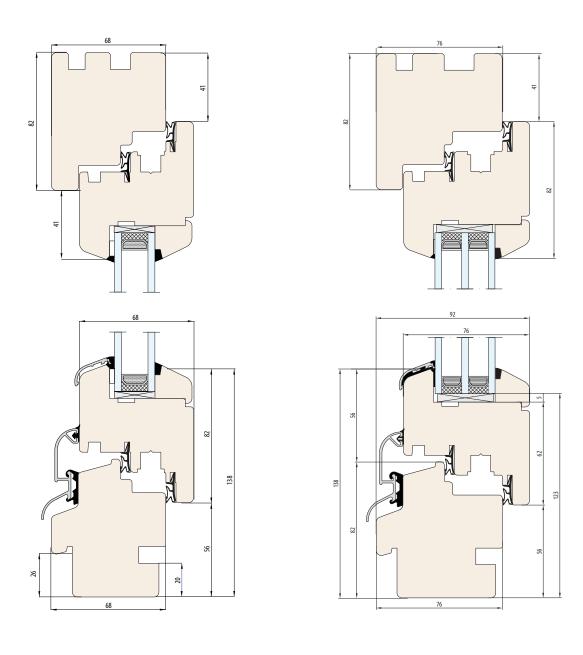
The door handles offer includes both handles with a standard plate and a separate plate (handle-cylinder). It is appreciated for the variety of patterns, colours, functionality of the handles and their anti-burglary properties.

We offer elegant and modern door handles for external doors. They can be of various shapes and lengths. We also offer solutions such as a handle-pull, which limit access to the building from the outside.



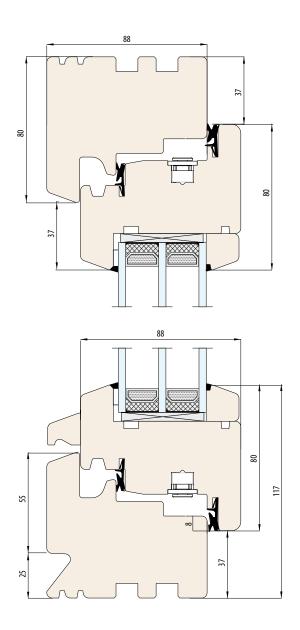


NATURO



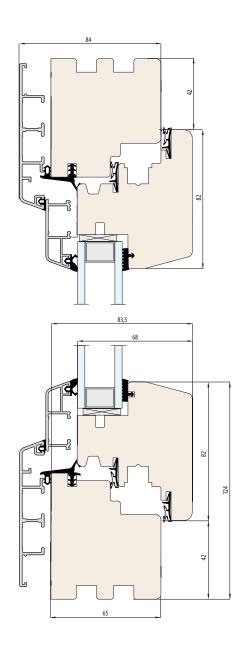
NATURO 68 NATURO 76

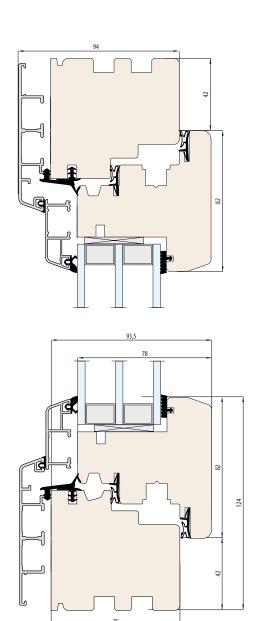
NATURO



NATURO 88

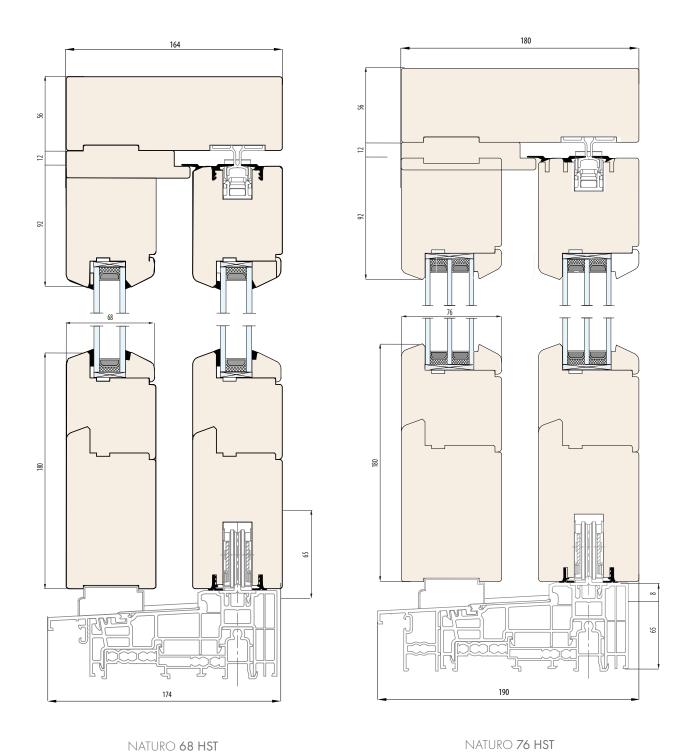
NATURO ALU



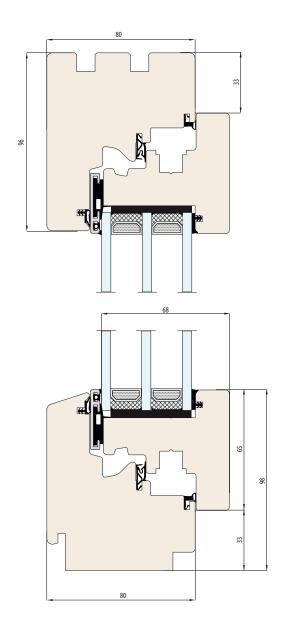


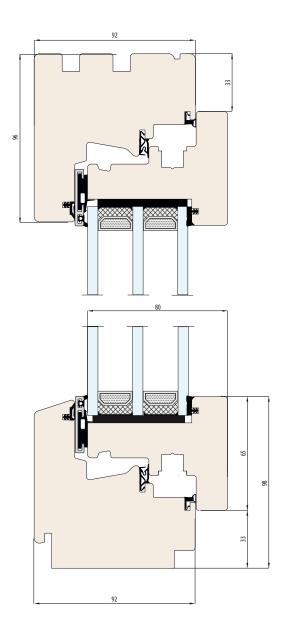
NATURO ALU 65 NATURO ALU 75

NATURO HST



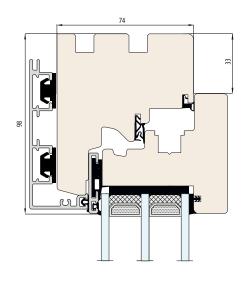
ESPERIA LIFE

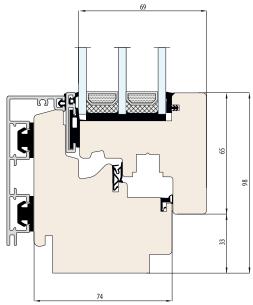




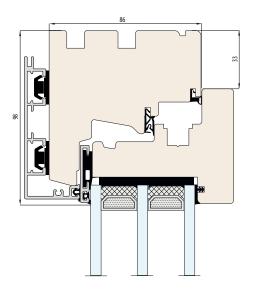
ESPERIA LIFE 80 ESPERIA LIFE 92

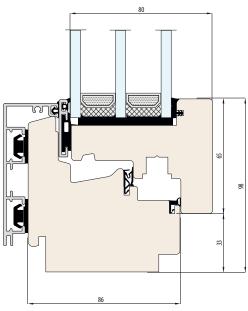
ESPERIA LIFE ALU











ESPERIA LIFE ALU 86





Create and manage an offer of wooden windows and doors online today!

Thanks to the free eko4u application, you can manage orders and the company at any time. It is an online tool that connects the sales, transport, service and vindication departments.



eko4u.com





Attract local customers looking for wooden windows and doors!

window4u is an application designed exclusively for distributors of door and window joinery, and its main purpose is to support the development of online sales. Wooden windows, doors or sliding systems - that is just a part of the offer that can be featured in window4u.





Follow benefit4u and use the latest knowledge about wooden windows and doors in your work!

benefit4u is a free base of knowledge not only about wooden joinery. It contains all that is needed in the daily work of the distributor: online assembly instructions and tutorials, warranty cards and certificates, fenestration industry dictionary, marketing materials.



benefit4u.com











