

**eko
okna**

WOOD CATALOGUE



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TIMELESS WOODEN JOINERY

Woodwork is a proposition for those who appreciate the beauty that comes from nature. The ecological material is friendly to both humans and the natural environment.

Selected systems feature external aluminum cladding. Their function is to provide protection to the profiles and to bring their aesthetics closer to the subtle minimalism of modern architecture.

The wood used in production comes from trees designated for planned felling. We use four types:



PINE

The most popular coniferous species used in woodwork production.



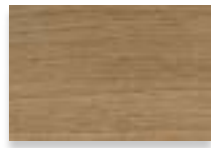
SPRUCE

Easy-to-work wood that stains well.



MERANTI

Exotic wood with high moisture resistance.



OAK

Noble and durable wood species with high density.

*All types of wood are finished with colors from the stain palette or RAL palette. Additionally, clear lacquer or impregnant can be applied. Raw wood is delivered upon customer request.





INDIVIDUALISM

All wooden products are prepared according to the individual wishes of the client. This allows them to match windows and doors to their aesthetic preferences. The wealth of complementary systems translates into the ability to select solutions with the desired functional parameters. Many years of experience and specialist knowledge enable us to execute even highly unconventional projects, characterised by a unique approach to design and bold creativity.



VARNISHES

The wood varnishes we use are supplied by our close collaborator, TEKNOS. This varnish manufacturer provides us with a rich palette of colours, including clear varnishes, offering a wide range of options for every client. Their coatings embody style and elegance while providing excellent protection against biological corrosion, mechanical factors, and discolouration caused by UV radiation.



TRANSPORT

In order to ensure the timely and safe delivery of our products, we have established our own transport fleet. Each of our trucks is equipped with a forklift, allowing us to unload immediately upon arrival at the specified location. This eliminates unnecessary waiting periods for unloading and reduces delivery costs. In response to your needs, our drivers in selected markets are equipped with payment terminals, enabling card payments upon receipt of the products.



ECOLOGY

Wood is a valuable, natural resource that is entirely renewable. Its use in production helps reduce CO₂ emissions. We use FSC-certified wood, which means our raw materials come from verified and approved sources. This ensures that our actions are socially responsible and environmentally friendly. Producing wooden windows and doors consumes less energy than using other materials. Wood negatively impacts global warming by reducing the amount of CO₂ in the atmosphere throughout its life cycle. It also reduces energy costs by being a natural thermal insulator.

With the environment in mind, we improve our operations every day and engage in pro-ecological initiatives. These include tree planting campaigns, promoting the environmentally and socially safe sourcing of raw materials, eliminating the use of chemicals that overly burden the biosphere, reducing production waste, and recycling production residues, among many others.



AVAILABLE SOLUTIONS



PROFILE WITH AN UNDERCUT

The standard profile with an undercut allows for the installation of a window sill or other accessories from both the outside and the inside.



PROFLE WITHOUT AN UNDERCUT

A profile without standard undercuts means that the window sill or other accessories are mounted directly onto the frame.



ALUMINIUM SHELLS

The profile with aluminum shells, Reno Line/ Gemini Classic, completely transforms the external appearance of windows, while also enhancing durability through additional protection of the wood against atmospheric conditions.



RENOVATION PROFILE

A version of a profile that allows new windows to be fitted into existing buildings without the need to remove the old wooden frames. Possibility of using different lengths of the renovation fin to cover the old frame inside the building.



MONOBLOCK PROFILE

Profile with extended installation depth. It enables the window to be fitted aesthetically in the thermal insulation layer while avoiding additional thermal bridges.



DUTCH PROFILE

The profile features a wide and stable frame. This gives the window a distinctive appearance.



BELGIAN PROFILE - VERSION A

Belgian profiles, available in versions A and B, are made entirely of wood without additional aluminum drip caps. The versions differ in their methods of water drainage.



BELGIAN PROFILE - VERSION B



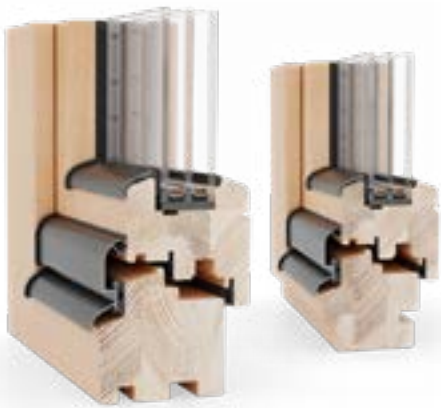
OUTWARD-OPENING PROFILE

The outward-opening window design provides more interior space.



NATURO 80

WINDOW SYSTEMS

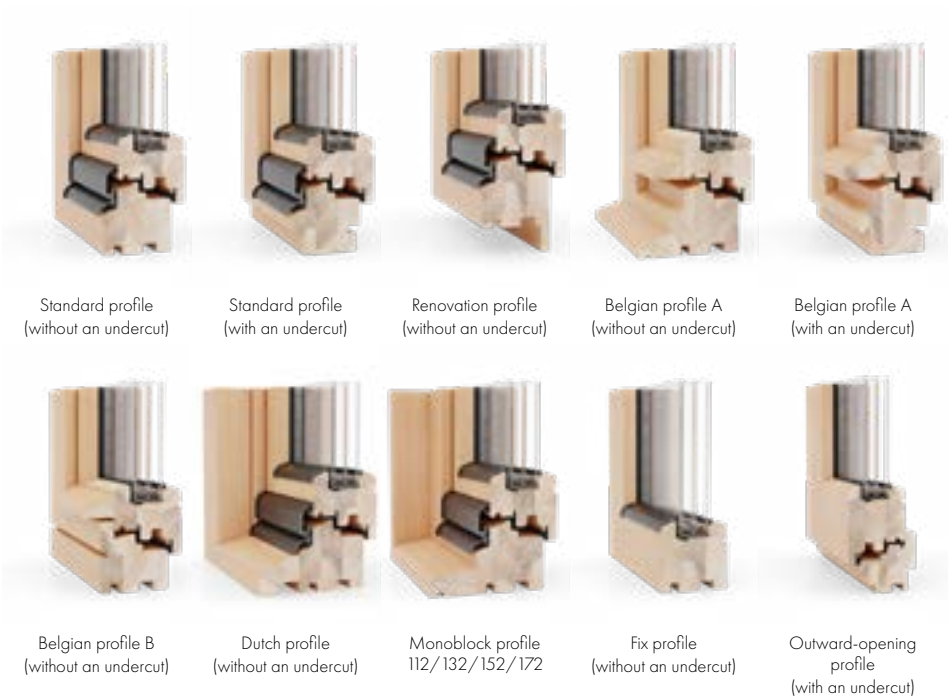


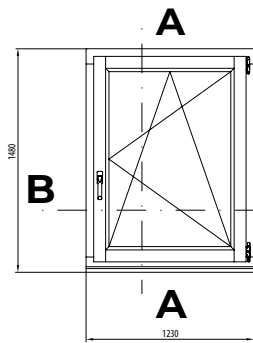
The following U_w value is given for a reference window with dimensions 1230 x 1480 mm, with 4/16Ar/4one pane, wood type: pine

80	35-44	3-4	4	2	0,81
construction depth [mm]	glazing units [mm]	layers of glued wood	layers of varnish	gaskets	U _w for U _f = 1,0 (the Ultimate frame)

Naturo 80 is a wooden system designed for use in energy-efficient construction. Warm frames, combined with glazing units up to 45 mm wide, allow for solutions with good thermal and acoustic performance.

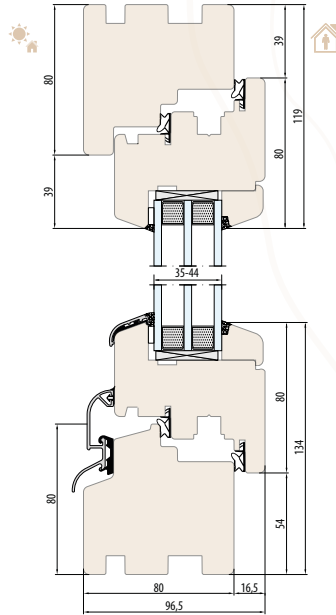
Windows are available in standard, Belgian, Dutch, renovation, and monoblock versions. They also feature an outward-opening option.



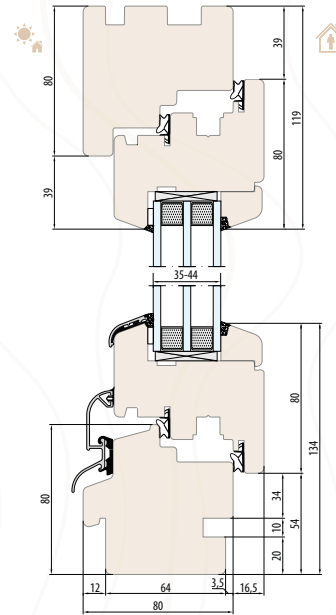


VERTICAL CROSS-SECTION A-A

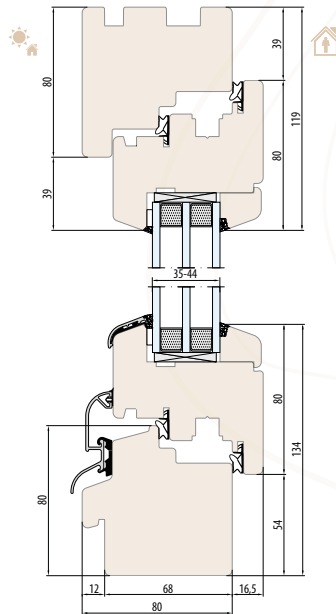
B



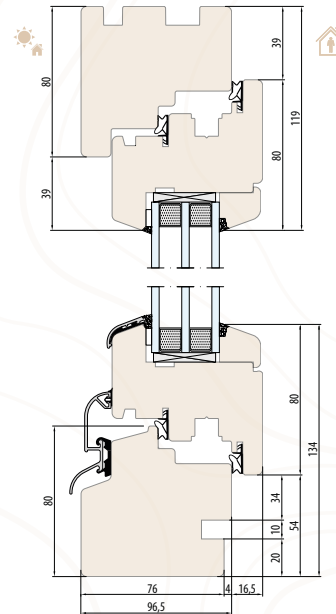
NATURO 80 SYSTEM
Without undercut for the window sill



NATURO 80 SYSTEM
The undercut for the interior and exterior window sill



NATURO 80 SYSTEM
The undercut for the exterior window sill

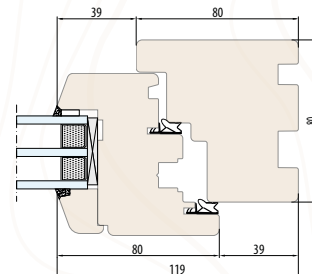
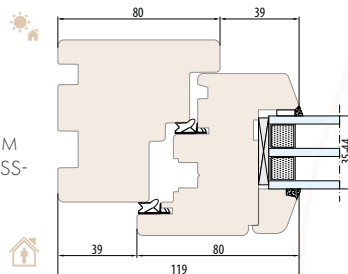


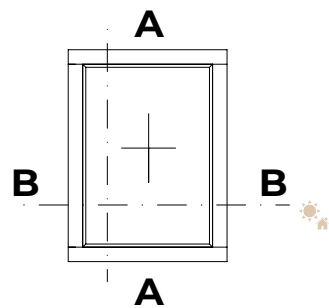
NATURO 80 SYSTEM
The undercut for the interior window sill

NATURO 80

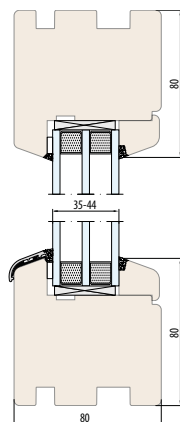
STANDARD

NATURO 80 SYSTEM
HORIZONTAL CROSS-SECTION B-B

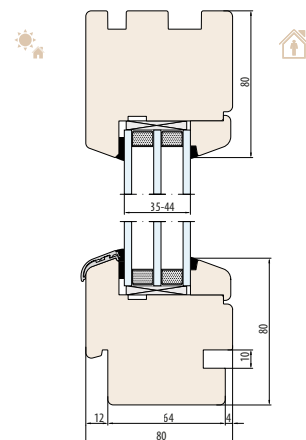




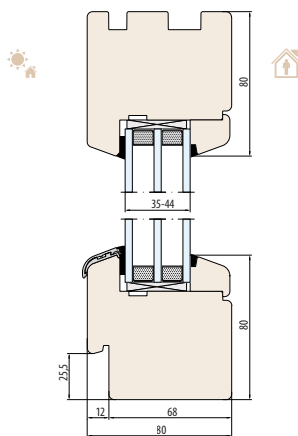
VERTICAL CROSS-SECTION A-A



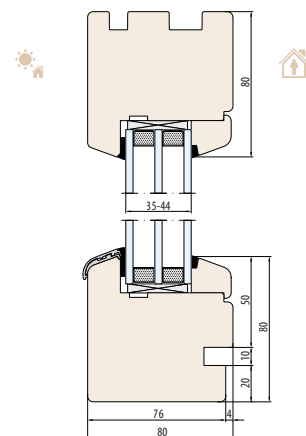
NATURO 80 - FIX SYSTEM
Without undercut for the window sill



NATURO 80 - FIX SYSTEM
The undercut for the interior and exterior window sill



NATURO 80 - FIX SYSTEM
The undercut for the exterior window sill

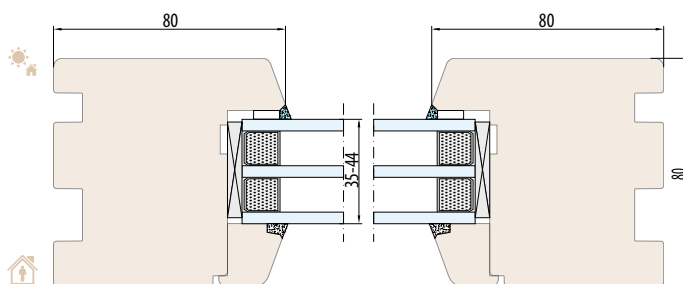


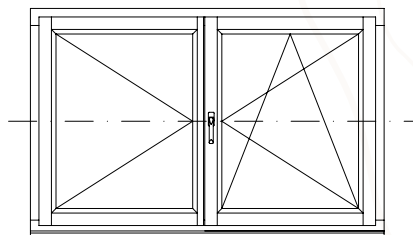
NATURO 80 - FIX SYSTEM
The undercut for the interior window sill

NATURO 80

FIX

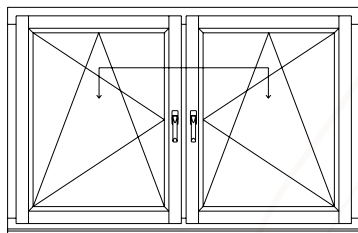
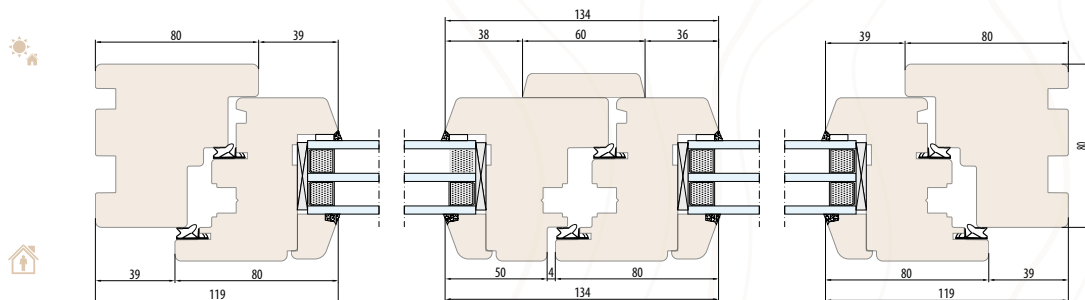
NATURO 80 - FIX SYSTEM
HORIZONTAL CROSS-SECTION B-B





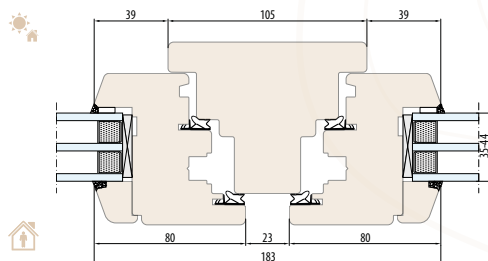
NATURO 80

MOVABLE POST

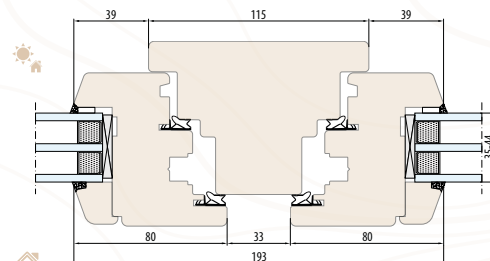


NATURO 80

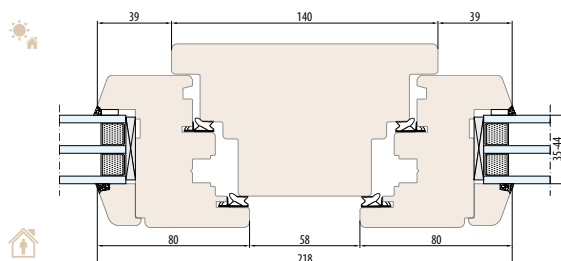
FIXED POST



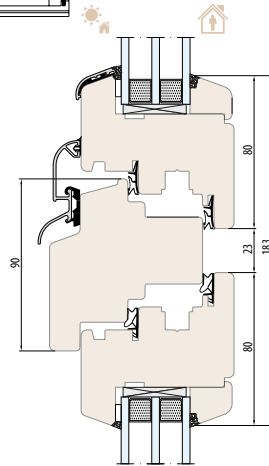
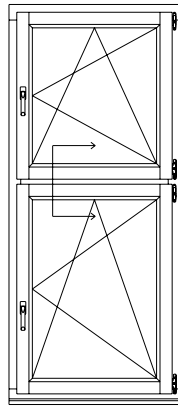
NATURO 80 SYSTEM
fixed post 105 mm
(Horizontal cross-section)



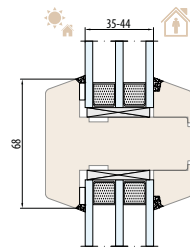
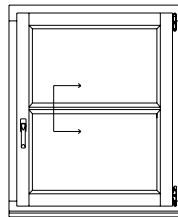
NATURO 80 SYSTEM
fixed post 115 mm
(Horizontal cross-section)



NATURO 80 SYSTEM
fixed post 140 mm
(Horizontal cross-section)



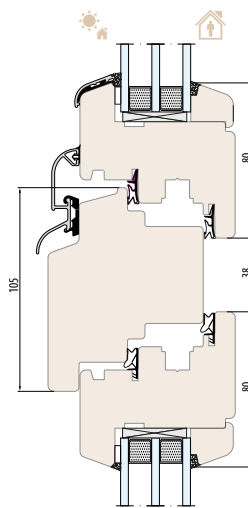
NATURO 80 SYSTEM
transom bar 90 mm



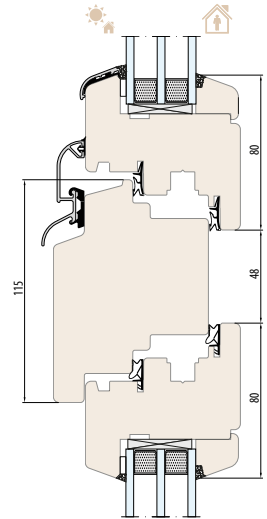
NATURO 80 SYSTEM
Muntin bars 68 mm

NATURO 80

TRANSOM BAR



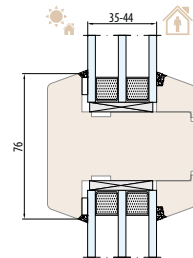
NATURO 80 SYSTEM
transom bar 105 mm



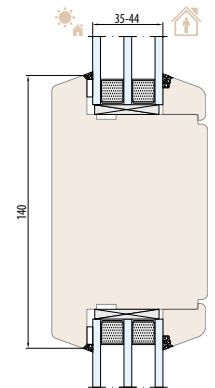
NATURO 80 SYSTEM
transom bar 115 mm

NATURO 80

MUNTIN BARS



NATURO 80 SYSTEM
Muntin bars 76 mm

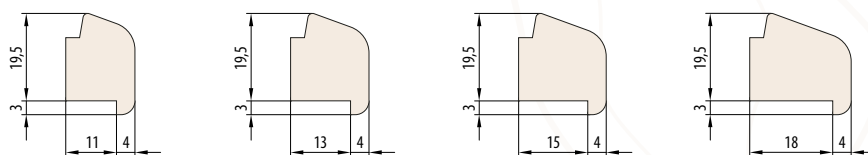


NATURO 80 SYSTEM
Muntin bars 140 mm

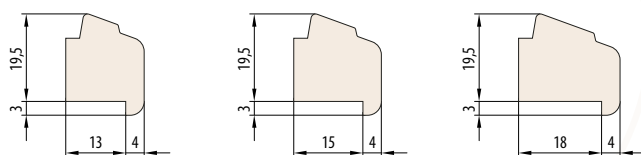
SPACER BARS

DEPENDENT ON THE THICKNESS OF THE GLAZING UNIT

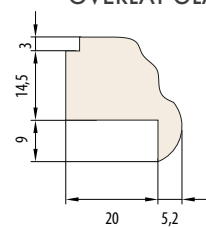
STANDARD GLAZING BEAD



RETRO GLAZING BEAD

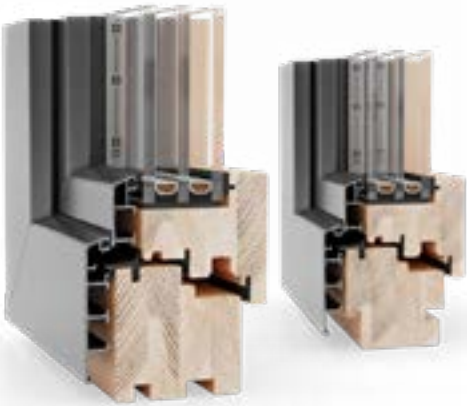


OVERLAY GLAZING BEAD



NATURO 80 ALU

WINDOW SYSTEMS

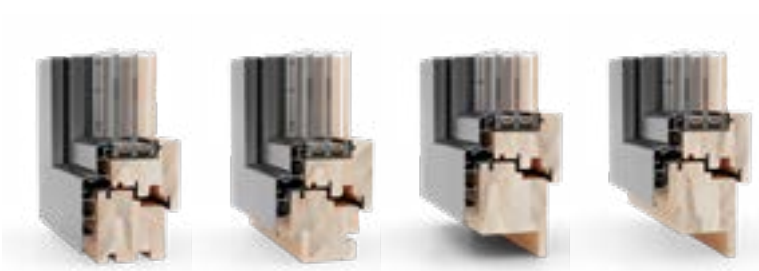


The following U_w value is given for a reference window with dimensions 1230 x 1480 mm, with 4/16Ar/4one pane, wood type: pine

80	35-44	3-4	4	3	0,82
construction depth [mm]	glazing units [mm]	layers of glued wood	layers of varnish	gaskets	U_w for $U_g = 1,0$ (the Ultimate frame)

Naturo 80 ALU is a system with excellent thermal and acoustic performance, combined with the aesthetics of aluminium shells.

It represents the perfect balance between ecology, functional parameters, and cost for windows that are expected to be durable and make an impressive contribution to a modern facade. This system features the simple and completely invisible G-FIX solution, which presses the glass against the gasket, as well as dry glazing that facilitates the replacement of the insulated glazing unit.



Gemini Classic
Standard profile
(without an undercut)

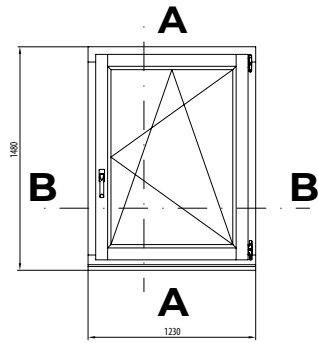
Gemini Classic
Standard profile
(with an undercut)

Gemini Classic
Renovation profile
(without an undercut)

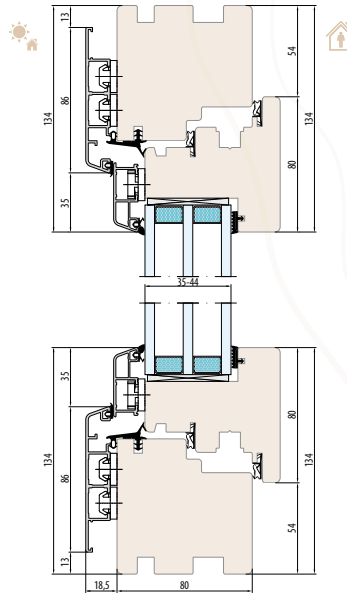
Gemini Classic
Renovation profile
(with an undercut)



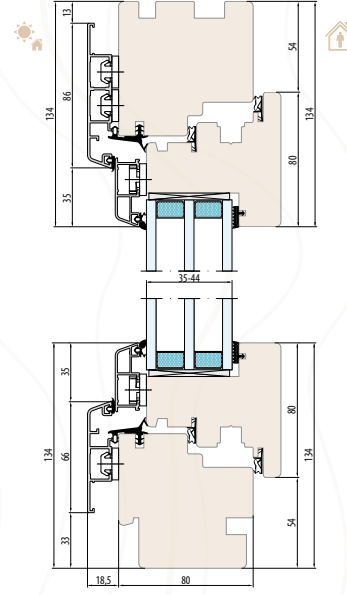
Gemini Quadrat FB
Standard profile
(with an undercut)



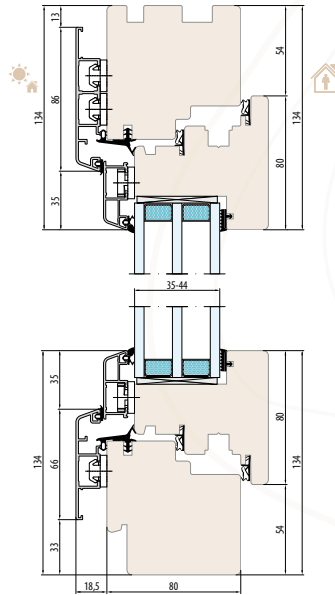
VERTICAL CROSS-SECTION A-A



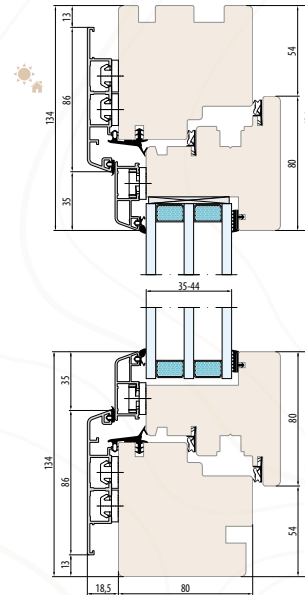
NATURO 80 ALU SYSTEM
GEMINI CLASSIC
Without undercut for the window sill



NATURO 80 ALU SYSTEM
GEMINI CLASSIC
The undercut for the interior and exterior window sill

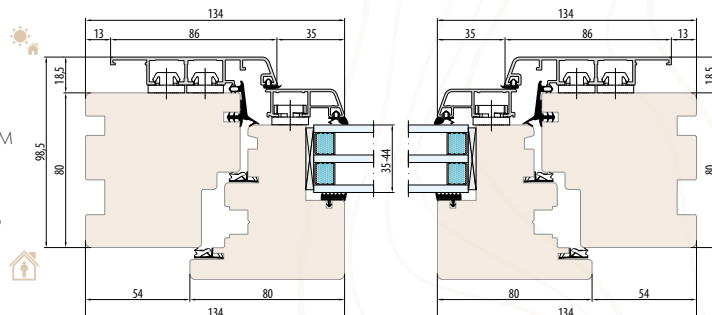


NATURO 80 ALU SYSTEM
GEMINI CLASSIC
The undercut for the exterior window sill



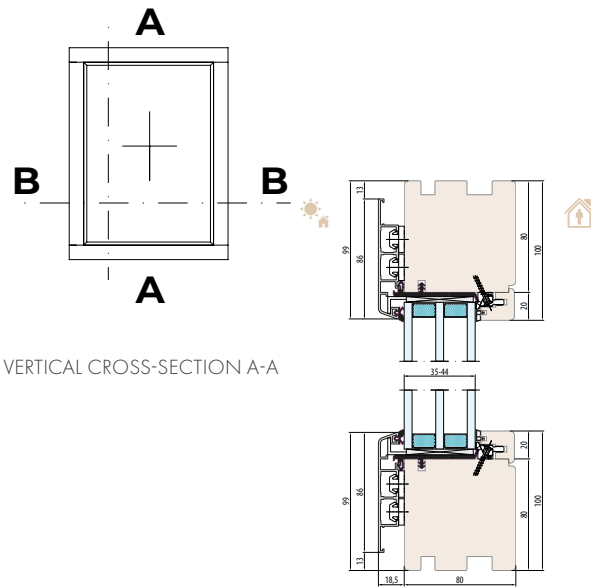
NATURO 80 ALU SYSTEM
GEMINI CLASSIC
The undercut for the interior window sill

NATURO 80 ALU SYSTEM
GEMINI CLASSIC
HORIZONTAL
CROSS-SECTION B-B



NATURO 80 ALU

STANDARD



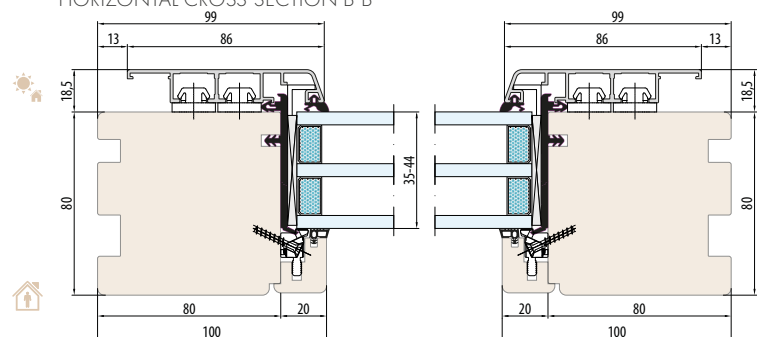
VERTICAL CROSS-SECTION A-A

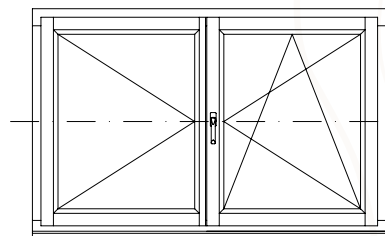
NATURO 80 ALU-FIX SYSTEM
GEMINI CLASSIC
Without undercut for the window sill

NATURO 80 ALU

FIX

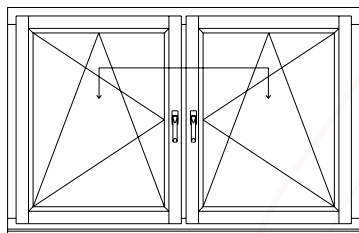
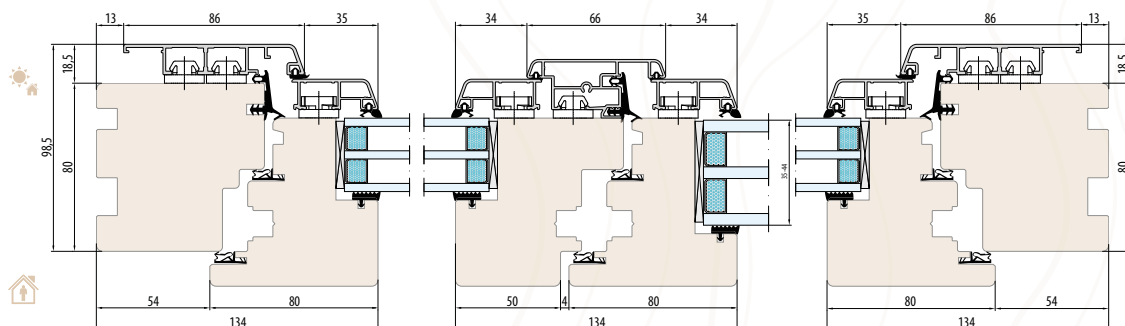
NATURO 80ALU-FIX SYSTEM
GEMINI CLASSIC
HORIZONTAL CROSS-SECTION B-B





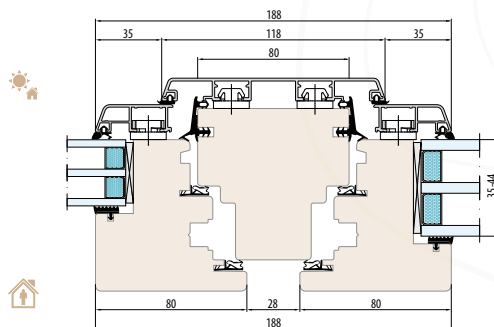
NATURO 80 ALU

MOVABLE POST

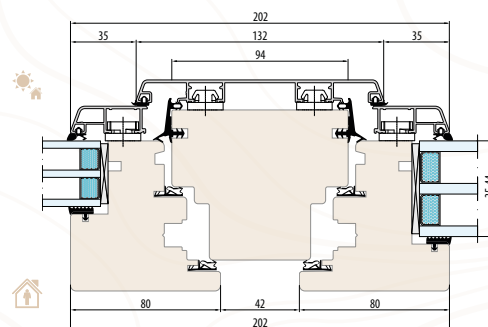


NATURO 80 ALU

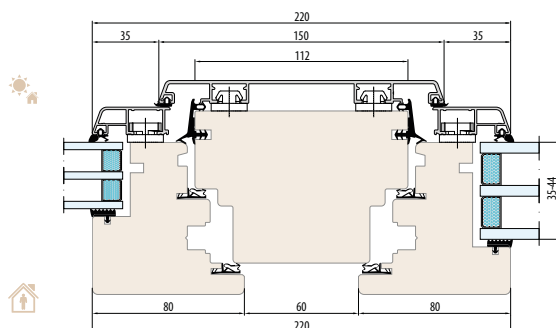
FIXED POST



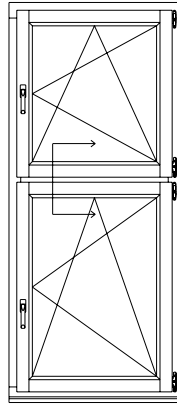
NATURO 80 ALU SYSTEM
GEMINI CLASSIC
fixed post 80 mm
(Horizontal cross-section)



NATURO 80 ALU SYSTEM
GEMINI CLASSIC
fixed post 94 mm
(Horizontal cross-section)

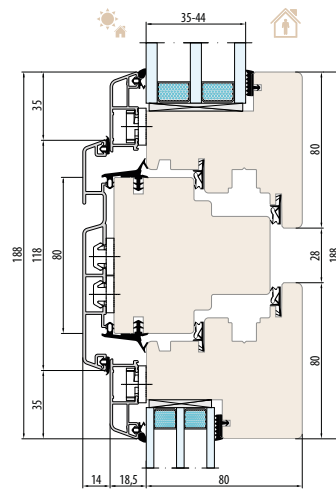


NATURO 80 ALU SYSTEM
GEMINI CLASSIC
fixed post 112 mm
(Horizontal cross-section)

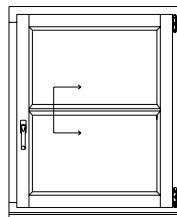


NATURO 80 ALU

TRANSOM BAR

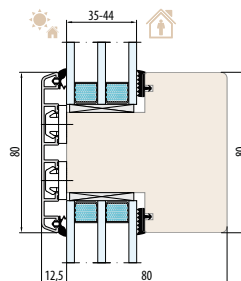


NATURO 80 ALU SYSTEM
GEMINI CLASSIC
transom bar 80 mm

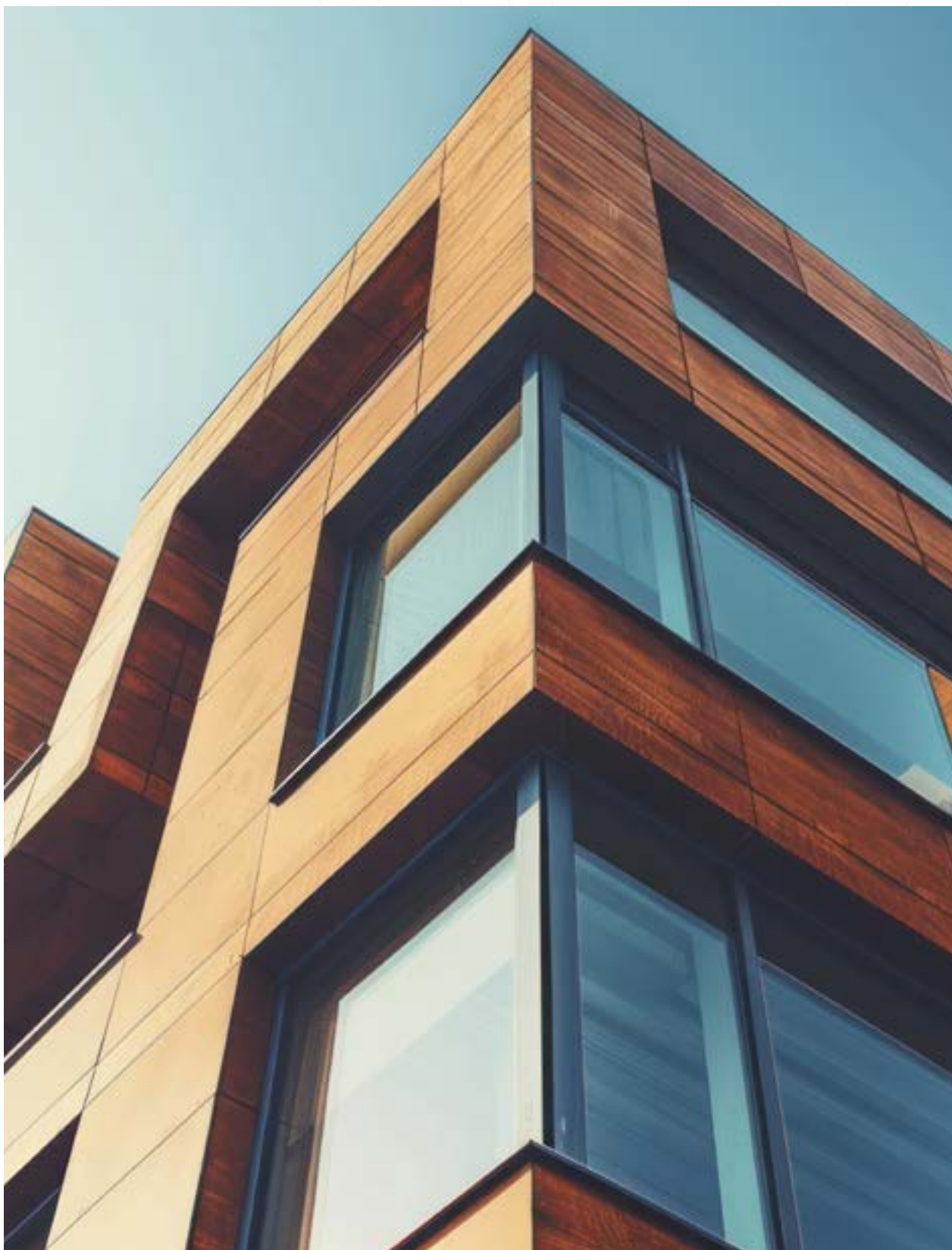


NATURO 80 ALU

MUNTIN BAR



NATURO 80 ALU SYSTEM
GEMINI CLASSIC
Muntin bar 80 mm





NATURO 80 HST

LIFT-AND-SLIDE SYSTEM

2,8

construction
height [m]

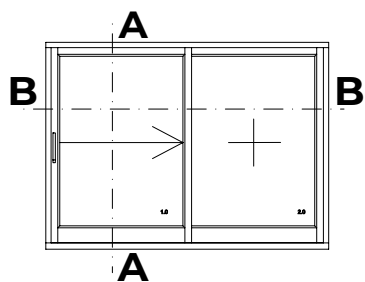
1-2

guiding rails

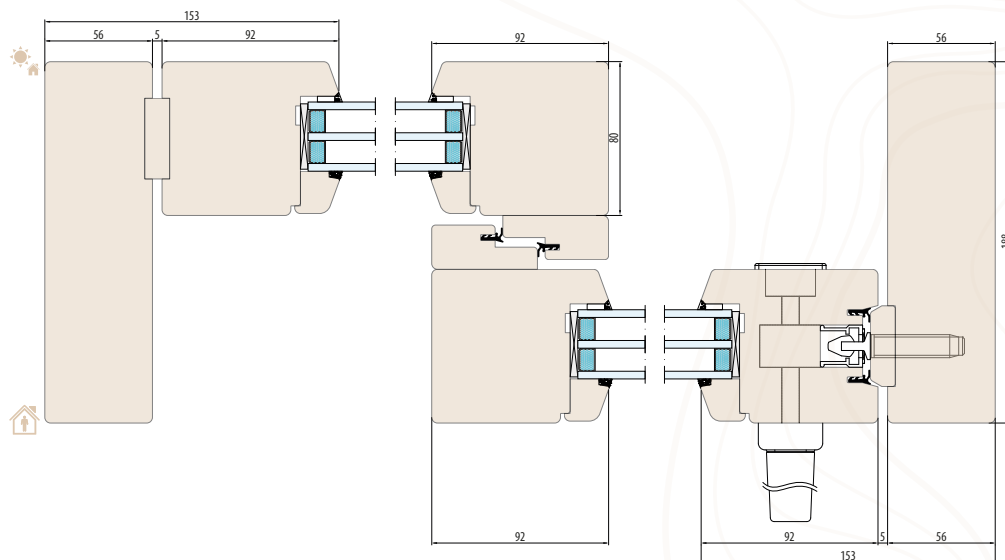
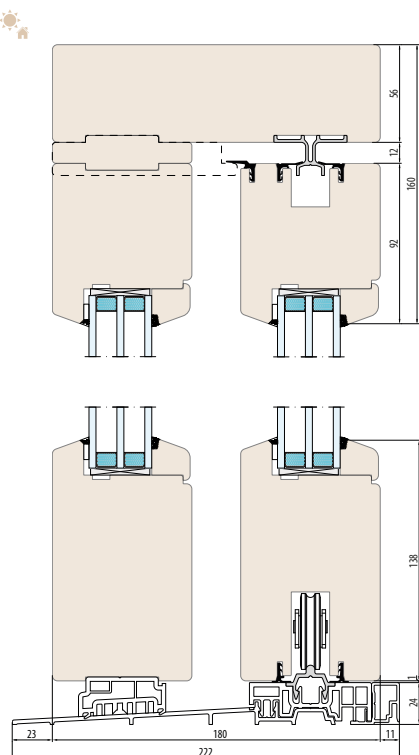
188

construction
depth [mm]

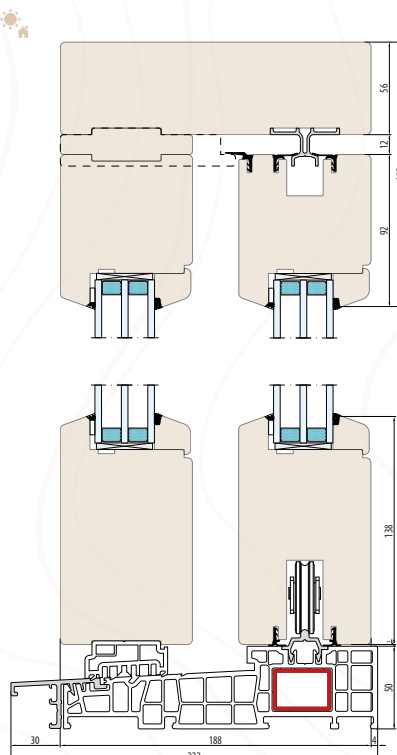
Naturo 80 HST is an elegant wooden lift-and-slide system with powerful and durable sashes that, despite their large size, look sleek and dynamic. The high weight of the sashes increases the tightness in the closed position. Its versatile design allows it to adapt to any architectural style, highlighting the natural beauty of wood or giving it a uniform color

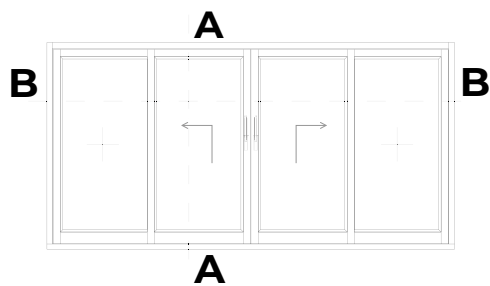


NATURO 80 HST SYSTEM
(general dimensions) - threshold 24 mm - scheme 'A'

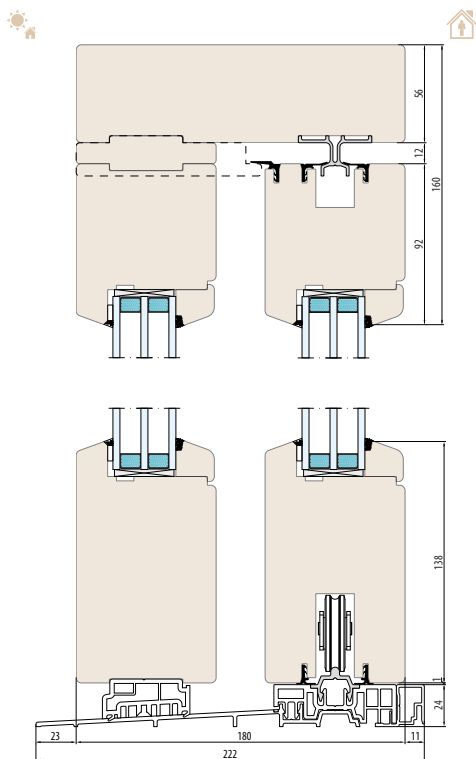


NATURO 80 HST SYSTEM
(general dimensions) - threshold 50 mm - scheme 'A'

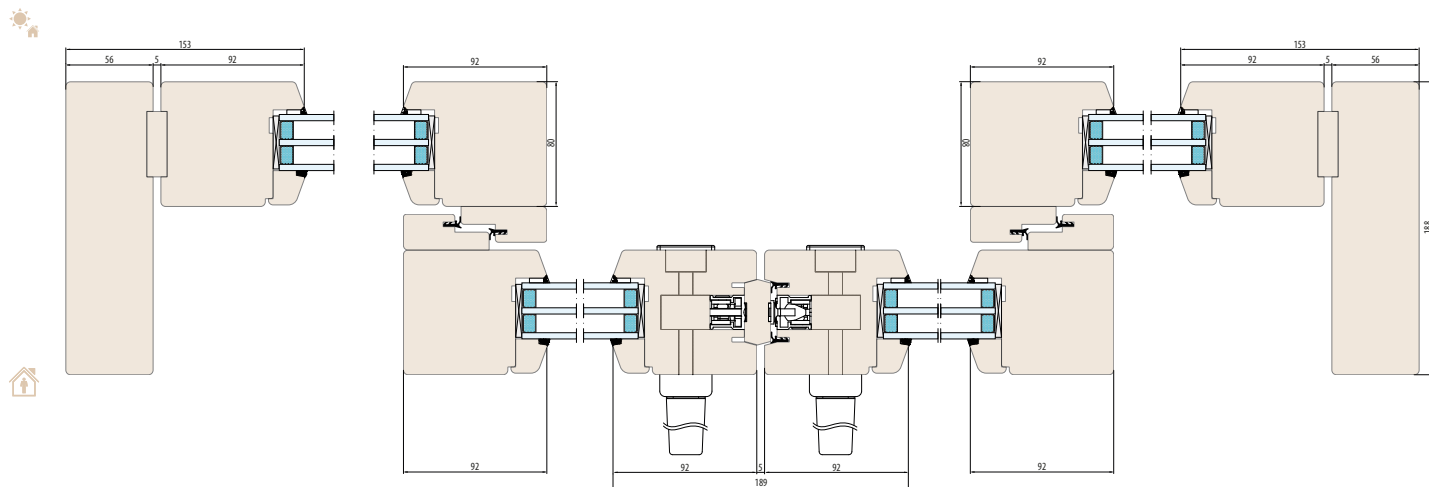
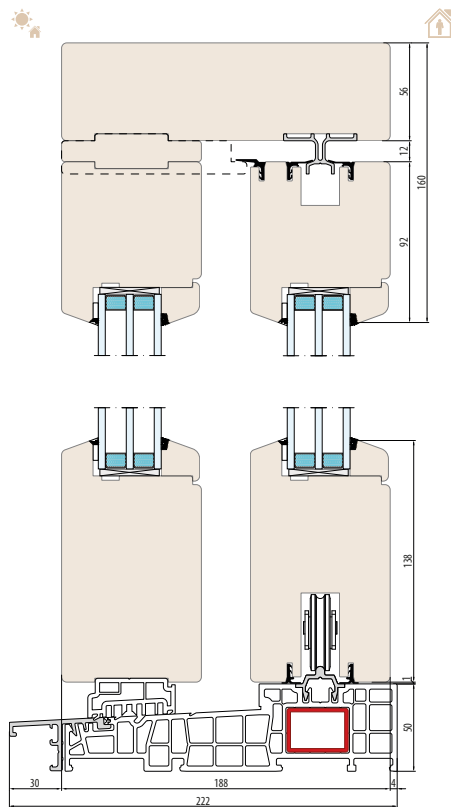


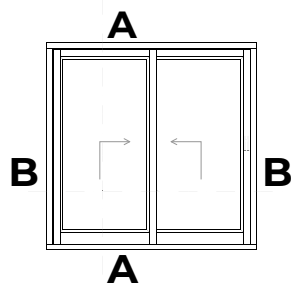


NATURO 80 HST SYSTEM
(general dimensions) - threshold 24 mm - scheme 'C'

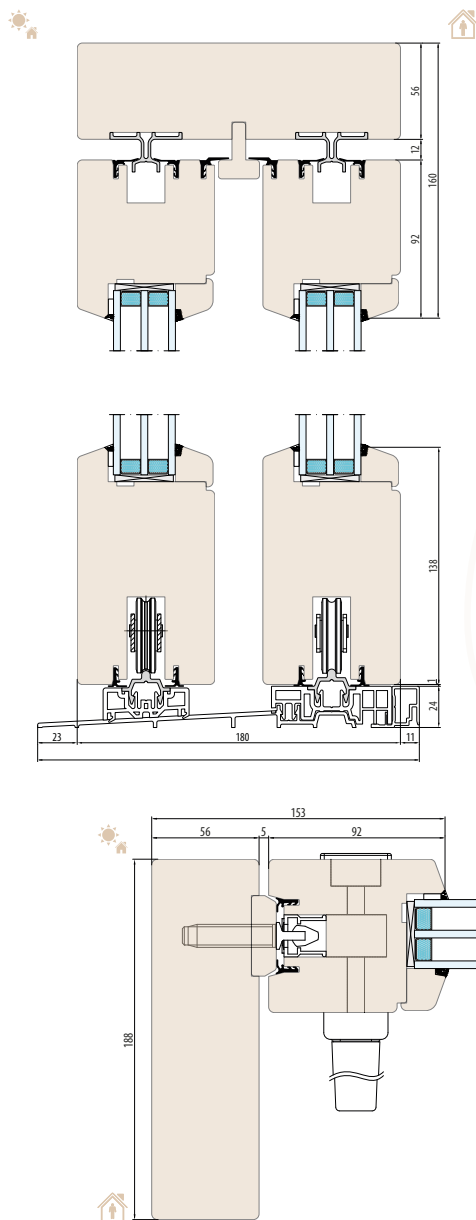


NATURO 80 HST SYSTEM
(general dimensions) - threshold 50 mm - scheme 'C'

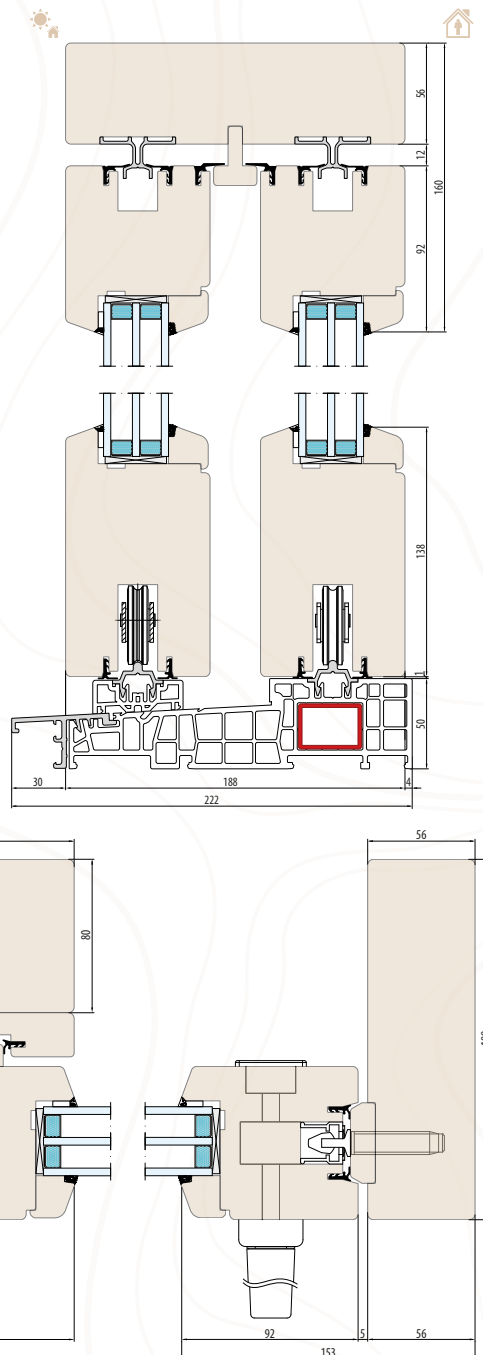




NATURO 80 HST SYSTEM
(general dimensions) - threshold 24 mm - scheme 'D'



NATURO 80 HST SYSTEM
(general dimensions) - threshold 50 mm - scheme 'D'



MODEL WINDOWS AND DOORS

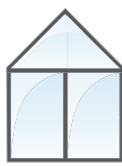
We offer joinery in arched and angled shapes, perfectly suited to buildings maintained in various styles. Investors are increasingly opting for unconventional shapes.

Arched windows lend a unique character to both the interior and the facade. They are often a decorative feature of classic residences, historic palaces, and buildings. On the other hand, angled windows are a proposition for modern buildings, which, with their form, reference more traditional objects.

We prioritize the latest technology, allowing us to meet individual customer expectations. With materials of the highest quality and state-of-the-art technology, the only limitation is imagination.



arch



triangle



trapeze



circle

(+) fix window - permanently close

WOODEN DOORS

Wooden doors embody timeless elegance, fitting seamlessly into both modern and traditional settings.

Advanced technological processing of this natural, fully biodegradable material allows for the creation of durable, long-lasting, and warm solutions, which become the hallmark of any building. Customers can choose from a vast array of door panels from the WoodLine series and those based on EkoVitre glass, as well as veneered, milled doors.

the thickness of the panel and thus its acoustic and thermal insulation depend on the chosen wooden joinery system.



MILLED PANELS

The panel designs are created through milling, allowing for a high level of creativity and the crafting of unique compositions tailored to the investor's expectations. By choosing our doors, you gain high-quality craftsmanship and aesthetics that perfectly match any style of interior design.



It's important to note that the panel is not made of solid wood, so slight differences in stain shades are possible.



EXAMPLE MODELS OF MILLED PANELS



Model 01



Model 02



Model 03



Model 04



Model 05



Model 06



Model 07



Model 08



Model 09



Model 10



Model 11



Model 12



Model 13



Model 14



Model 15



Model 16



Model 17



Model 18

PATTERNS OF MILLED PANELS



Panel A



Panel B



Panel C



Panel D



Panel E



Panel F



Panel G



Panel H



Panel I



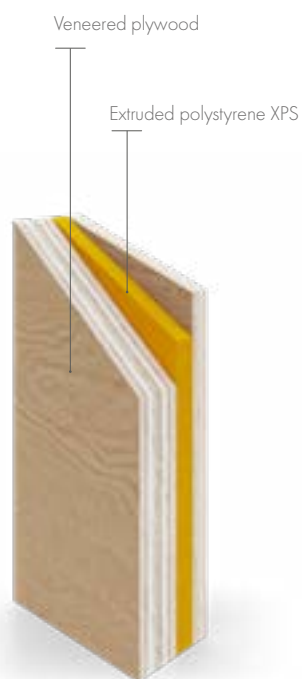
Panel J



Panel K



Panel L





WoodLine

DOOR WOODLINE PANELS

The WoodLine collection features over 140 unique door designs. It is also a harmonious blend of modern and traditional patterns, perfectly tailored to the preferences and needs of every customer.



It's important to note that the panel is not made of solid wood, so slight differences in stain shades are possible.



WoodLine 1



WoodLine 51



WoodLine 54



WoodLine 73



WoodLine 101



WoodLine 21



WoodLine 25



WoodLine 28



WoodLine 29



WoodLine 57

More panel designs available on the website and in the sales department.

Color options according to the stain palette and RAL color chart.

Possibility of using handles, access control, letter slots, peepholes.

As standard, panels without INOX overlays. The use of INOX overlays is possible after prior agreement with the technical department



EKOVITRE DOOR PANELS

EkoVitre panels with glazing offer unlimited possibilities for individual adaptation to each architectural project. They are constructed from two VSG glass panes, one of which features sandblasted patterns. EkoVitre panels are made from high-quality materials that guarantee an aesthetically pleasing appearance and durability.



It's important to note that the panel is not made of solid wood, so slight differences in stain shades are possible.



EkoVitre 01



EkoVitre 04



EkoVitre 06



EkoVitre 09



EkoVitre 15



EkoVitre 02



EkoVitre 05



EkoVitre 08



EkoVitre 10



EkoVitre 14

All models available upon request

We produce standard glazing in door panels from frosted glass.

Construction of the inserted glass panel: VSG 44.4, sandblasting according to the pattern, frame 18 mm, VSG 44.2 Plth. XN.

Panel thickness 36 mm, max. size 2200x950 mm, min. size 1700x600 mm.



ACCESSORIES

PANES

The glazing installed in our windows takes the form of glass units, consisting of at least two glass panes. For achieving the best thermal performance, the space between the glass panes can be filled with noble gases: argon or krypton. We also apply coatings of metal oxides (thermo and one), which further reduce the thermal transmittance of the glazing.

The best glass units equipped with a so-called warm profile allow us to achieve a thermal transmittance coefficient U_g at the level of $0.3 \text{ W/m}^2\text{K}$.

In addition to standard glass, we can also offer soundproof, safety, anti-burglary, ornamental, and solar control glass. The possibility of combining different types of glass and a smaller or larger number of panes allows us to achieve the appropriate parameters for each type of window and door in our offer.

Here's a comparison outlining the basic types of insulated glazing units along with a description of their functions:



Double Pane Glazing Unit



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



Triple Pane Glazing Unit



A double-chamber glazing unit enhances thermal comfort in the room. The separation of the space between the glass panes with an additional glass pane significantly reduces heat transfer.



Soundproof

Insulated glazing units equipped with acoustic film provide an elevated level of noise reduction. Various glass thicknesses can effectively dampen sounds at specific frequencies.



Safe

Laminated and/or tempered glass enhances safety. Tempered glass is stronger and breaks into blunt pieces, while laminated glass is harder to penetrate.



Solar control

Solar control glass (selective, absorptive, or reflective) limits the flow of light and reduces the amount of heat energy entering interior spaces.

DECORATIVE GLASS PANES

Decorative glass is an excellent choice for windows, doors and partition walls. Decorative glass panels are suitable for homes, offices, shops, hotels, and restaurants. Depending on the selected type or pattern, it can not only increase privacy, but also brighten the interior, making it optically more spacious, which is another advantage. In addition to standard matt acid-etched glass, we also offer glass in a wide range of colors, as well as ornamental glass available in many designs.



Clear



Mirastar



Parsol brown



Parsol grey



Parsol green



Stopsol brown



Stopsoll classic grey



Stopsol Supersilver Clear



Planibel Dark Grey



Allddeutsch white



Chinchila white



Crepi white



Delta white matte



Delta white



Flutes white matte



Cathedral white



Master-Ligne



Master-Carre



Master-Point



Monumental M



Kura white



Niagara white



Niagara white matte



Partially sandblasted



Stadip 33.1 PVB Mat



Silvit white



Silvit brown



Waterdrop



Satinova Matte

MUNTIN BARS

Muntin bars give windows an elegant and distinctive character, and in some cases, they serve as an essential decorative element reminiscent of historical architectural styles.



internal decorative muntin bars

Available colors of muntin bars:
gold, matte gold, matte silver, white

Size:
8 mm



internal decorative muntin bars*

Available colors of muntin bars:
RAL palette, veneer package

Size:
18, 26, 45 mm

*The color of the muntin bar veneer may differ from the color of the wooden joinery



Adhered with duplex

Available colors of muntin bars:
RAL palette, veneer palette

Duplex width:
20, 24, 30 mm

Widths of adhered muntin bars:
22, 26, 32 mm

Available colors for duplex:
colours of warm SWISSPACER Ultimate window frame,
aluminum



Structural

They are located within the window sash construction and divide the glass pane into sections. They are always wooden and match the color of the window sash.



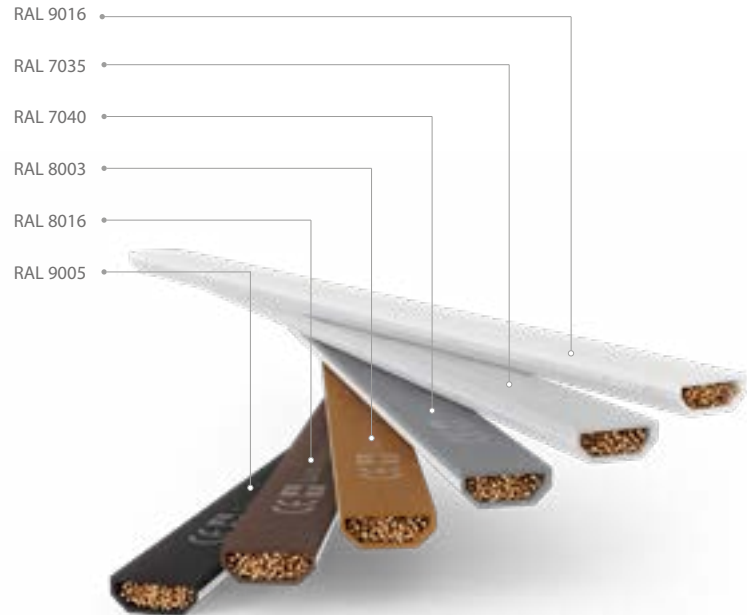
SPACER EDGES

SWISSPACER ULTIMATE

In addition to the standard aluminum frame, we also offer one of the best warm edges available worldwide.

The warm SWISSPACER Ultimate frame eliminates thermal bridges and reduces the risk of water vapor condensation on the edges of the glass.

Frames are available in several colors from the RAL palette.



FITTINGS

Perimeter fittings in security classes RC1 and RC2

When choosing windows, it's worth paying attention to the class of anti-burglary protection.

RC1 and RC2 are resistance classes to burglary, defined by the European standard PN-EN 1627:2012. These labels indicate how effective the window technology is as a barrier against burglars, assessed based on very strict criteria.

RC2 windows should be installed where there is a risk of burglary. They are suitable for both high and low floors - areas where thieves can easily gain access, as well as for balcony and terrace doors. RC1 windows, on the other hand, have standard security features.

Wooden windows use Roto NX fittings. In wooden doors, GU Door Locks are used.



Photo of Roto NX fitting

INTERIOR WINDOW SILLS

Wooden window sills are an optional addition that enhances the aesthetics of wooden joinery.

Thickness: 30 mm

Depth: from 80 mm to 1200 mm

Types of wood: solid pine, finger-jointed pine, spruce, oak, me anti

Maximum length: depends on the chosen type of wood

Types of wood finish: colours from the stain palette, RAL colours, clear varnish, clear impregnate, raw wood

Wooden window sills can have various corner shapes depending on the selected variant.



Pattern A



Pattern B



Pattern C



Pattern D



Pattern E

