

# WINDOWS & DOORS CATALOGUE



• OKNA • DRZWI •

[www.malecokna.pl](http://www.malecokna.pl)





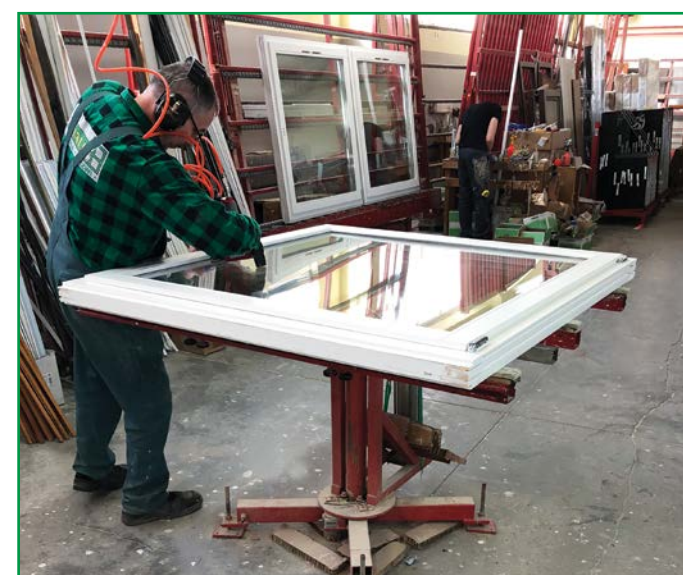
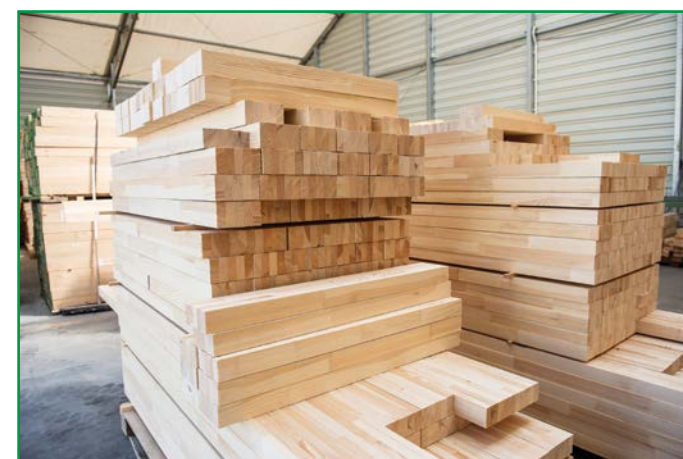
**MALEC** factory, a producer of wooden windows and doors, located in Białogard, at Krolowej Jadwigi 13e street, offers windows in the European, Scandinavian and Dutch system, outside and inside doors (according to a fixed pattern), sliding and folding doors systems as well as winter gardens. Manufactured woodwork meets all requirements according to accepted standards for housing and public utility buildings, in every technical way possible to make a shape and pattern, with wooden bars glued on the glass and inter-pane of wood or aluminum in the color corresponding to the window frame. We provide professional advice and friendly service. Our company provides comprehensive services ranging from measuring the woodwork, its performance and assembly or transport straight to the customer. We guarantee high quality, the highest standard of services, short production time including transport and assembly.

We deliver our products throughout Europe and beyond. The woodwork we make goes to such countries as:

- Germany
- Netherlands
- France
- Belgium
- Sweden
- Denmark
- Norway
- Finland
- Iceland
- Russia
- USA



## From Factory Life





Our products are tested by the Notified Building Technology Laboratory.

Our products are tested by the Notified Building Technology Laboratory.

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# CLASSIFICATION OF PROPERTIES

## MLTB-2731-2018- chapter I


for the type Tensar Tego 110012000 with the resin DMS 1100 1200 12010

assessment of the performance of the system in the following applications:


**Company:** **FREUDENBERG THERMO**  
**PRODUCT: PRODUKTE-NUTZUNGSWEISE-HANDWE**  
**Hersteller Marken:**  
 of: Freudenberg, 130 75-2000 Stuttgart


**Product:** single flat closed-end, main profile, grey, wood  
 Type: **BRANDVORION 68**


The results are included in the following test reports registered under the number of the report: MLTB 2731-2018





tested by: DMS 1100 12010





  
 Test substrate

  
 Permeability  
 PE 1000 1001

  
 Water vapour  
 PE 1000 1002

  
 Mechanical strength  
 PE 1000 1003

  
 Heat stability  
 PE 1000 1004

	PERMEABILITY	WATER VAPOR	MECHANICAL STRENGTH	HEAT STABILITY
<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding: 5px;">PE 1000 1001</div> <div style="text-align: center; flex-grow: 1;">   <div style="font-size: 2em; font-weight: bold;">4</div> </div> </div>	<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding: 5px;">PE 1000 1002</div> <div style="text-align: center; flex-grow: 1;">   <div style="font-size: 2em; font-weight: bold;">8A</div> </div> </div>	<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding: 5px;">PE 1000 1003</div> <div style="text-align: center; flex-grow: 1;">   <div style="font-size: 2em; font-weight: bold;">C4</div> </div> </div>	<div style="display: flex; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold; padding: 5px;">PE 1000 1004</div> <div style="text-align: center; flex-grow: 1;">   <div style="font-size: 2em; font-weight: bold;">350 N</div> </div> </div>	

Note: the completed laboratory file

**Mobilne Laboratorium Technische Bauverfahren** S. r.o.s.

1 assessment of the performance of the product made by:


**2 tests made by:**

14-03-2018, Bratislava

David Pavlik, Ing. habil. DrSc. (2005), 14-03-2018

Ing. Jozef Kuchta, Ing. (2005), 14-03-2018

*Head of Laboratory: Miroslav Kováčik, Adam*  
*Senior Technicians: Dominika Adam,*  
*qualified Technicians: Gregor Adam*



Mobilne Laboratorium Technické  
 a Stavebné postupy, s. r. o.  
 IČO: 44 86 20 10  
 DIČ: SK 2054201877

DIČ: SK 2054201877  
 DIČ: SK 2054201877  
 DIČ: SK 2054201877

Ing. Jozef Kuchta, Ing. (2005)  
 Ing. Jozef Kuchta, Ing. (2005)  
 Ing. Jozef Kuchta, Ing. (2005)

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# CLASSIFICATION OF PROPERTIES


## MLTB-2810-2018- chapter I

on initial Type Testing (TT) performed with the norms EN 12516+EN 12518  
and the performance of the product in real working conditions.


**Company:** **PRZEDSIĘBIORSTWO  
PRACOWNI I USŁUGI HANDLOWE**  
**Dariusz Mańak**  
ul. Krokusów, gajów 13 E, 79-200 Słupsk

**Product:** **System SKANDYNAVIA**  
Steel glazing, main profile, pure wood with external cladding  
System


**SYSTEM SKANDYNAVIA**  
This norm  
**SKANDYNOWIA 60 WINDPROOF**  
is made up of the following test objects registered under the number of  
the request MLTB-2017-2018




Notified body 01234




Test certificate




Attestation of  
approval



Verification of  
conformity



Other test documents

	MLTB-2810-2018- chapter I	MLTB-2810-2018- chapter II	MLTB-2810-2018- chapter III
 <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 5px auto;"> <b>EN 12516</b> </div>	<div style="border: 1px solid black; padding: 10px; width: 100px; margin: 0 auto;"> <b>4</b> </div>	<div style="border: 1px solid black; padding: 10px; width: 100px; margin: 0 auto;"> <b>E1500</b> </div>	<div style="border: 1px solid black; padding: 10px; width: 100px; margin: 0 auto;"> <b>CE2750</b> </div>

MLTB-2810-2018- chapter I

**Mobilne Laboratorium Techniki Budowlanej Sp. z o.o.**

1. Location of the performance of the product under test


2. tests made by

*Head of Laboratory Mobilne Laboratorium Techniki Budowlanej Sp. z o.o.*  
*Head of Laboratory, Technical Office*  
*qualified technician Krzysztof Bartos*

**24-04-2018, Wrocław**

24-04-2018

*Head of Laboratory Mobilne Laboratorium Techniki Budowlanej Sp. z o.o.*  
*Head of Laboratory, Technical Office*  
*qualified technician Krzysztof Bartos*



Mobilne Laboratorium Techniki Budowlanej Sp. z o.o.  
ul. Krokusów, gajów 13 E, 79-200 Słupsk  
NIP: 142-225-22-22  
REGON: 142225222  
KRS: 0000142227

ul. 50-000 Słupsk, ul. Krokusów, gajów 13 E, 79-200 Słupsk  
ul. Krokusów, gajów 13 E, 79-200 Słupsk  
ul. Krokusów, gajów 13 E, 79-200 Słupsk  
ul. Krokusów, gajów 13 E, 79-200 Słupsk


Mobilne Laboratorium Techniki Budowlanej Sp. z o.o.  
ul. Krokusów, gajów 13 E, 79-200 Słupsk  
NIP: 142-225-22-22  
REGON: 142225222  
KRS: 0000142227

# CLASSIFICATION OF PROPERTIES

## MLT-B 2017-2018- chapter I

for the Test: **Testing (TUT)** associated with the course: **MLT-B 14031-14032**  
**Engineering calculations**

Company: **PRZESIECIOWE  
PRODUKCYJNO-USŁUGOWO-HANDLOWE  
Dziatwa Bielskie**  
 ul. Armii Krajowej 13 E, 75-205 Bielski



Notified body No 2020




**Product:**

Inverted single jet, stainless, main profile, grey anodized with external aluminium cladding  
 Support:

**SYSTEM SKYDRAIN®**  
 200 mm

**SKANDINAVIA 85 WINDPROOF**

The results are available in the following test report registered under the number of the  
 request: MLT-B 2017-20214







Test method:

Air permeability  
EN ISO 12493

Waterproofing  
EN ISO 10532

Wind and resistance  
EN ISO 12597

 Test method	EN ISO 12493	EN ISO 10532	EN ISO 12597
 1000 x 1000	4	E1500	CE3000

Notes: according to EN ISO 12493


**Mobile Laboratorium Techniki Budowlanej s.p. a.**

1) Assessment of the performance of the product made by: *Andrzej Labudzinski, Mirosława Adam, Andrzej Chojnacki, Dariusz Janiak, Andrzej Wójcikowski, Krzysztof Borkowski*

**25-04-2018, Włocławek**

1) Laboratory of the Test (TUT): 20-04-2018

2) Issued by: *Andrzej Chojnacki*



Mobile Laboratory of Building Technology  
 ul. Armii Krajowej 13 E  
 75-205 Bielski  
 Tel. +48 78 664 14 00  
 E-mail: biuro@mlt-b.com.pl

MLT-B S.A. Sąd Rejestrowy: 0000362017  
 KRS: 0000362017  
 NIP: 525-250-52-52  
 REGON: 141945222  
 Sąd Rejestrowy: 0000362017

Wydział Techniczny  
 (podpisany)  
 Nr 20220

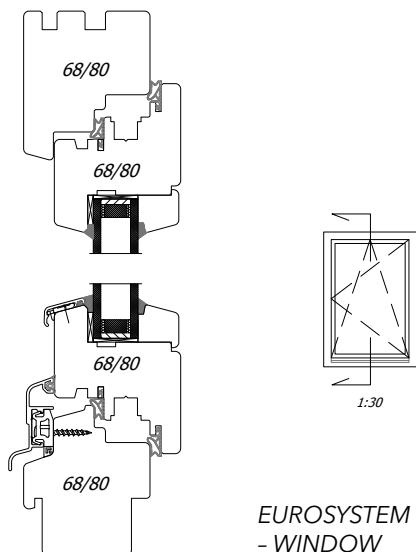
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Eurosystem 68



Windows **Eurosystem 68** is a window system opening inwards, typical for woodwork used in Poland and the countries of Central and Western Europe. The system is based on the proven Eurofelz IV68 window profile with a frame structure and window sash in the same thickness of 68 mm, which replaced the outdated system of windows and allowed to replace them with an innovative single-frame window system. Today, as widely used and modified to thicker profiles adapted to warmer glass packages. The basic Eurosystem 68 profile allows using a double-glazed unit with a heat factor of  $U_g = 1,1 \text{ W/m}^2\text{K}$  in its construction.



EUROSYSTEM 68  
- WINDOW  
VERTICAL SECTION

Eurosystem 68



<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 68 mm. The depth of the wing is 68 mm.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 $U_g = 1,1 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. In addition, an aluminum trough in the window frame. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• handles with keys, handles with button etc.</li><li>• shutter openers (manual or automatic)</li><li>• rotary hardware - tornado</li><li>• ventilations</li><li>• many other...</li></ul>

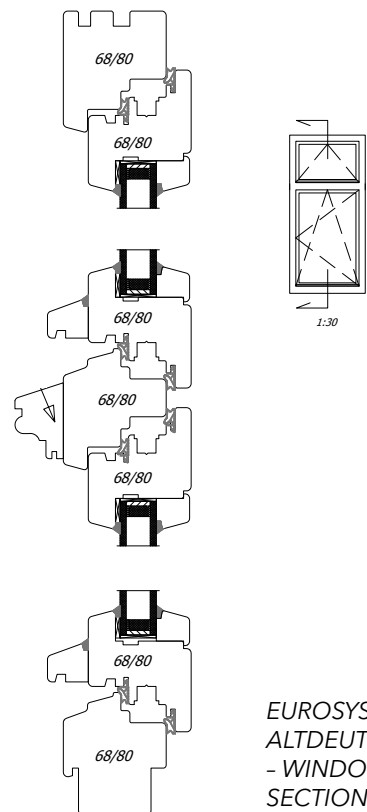




Eurosystem 68 Stylish



Windows **Eurosystem 68 Stylish** (Altdeutsch) is a stylish window system that opens inwards - typical of historic architecture. This system is based on the standard Eurosystem 68 profile, additionally enriched with decorative elements, like a decorative crossbar and post on the wing, aluminium drip on the frame had been replaced with a wooden drip on wing. The type and pattern of decorations depends on individual customer preferences. As a standard, a double-glazed unit with a heat factor of  $U_g = 1,1 \text{ W / m}^2\text{K}$  is used in this window profile.



EUROSYSTEM 68  
ALTDEUTSCH  
- WINDOW VERTICAL  
SECTION

Eurosystem 68 Stylish



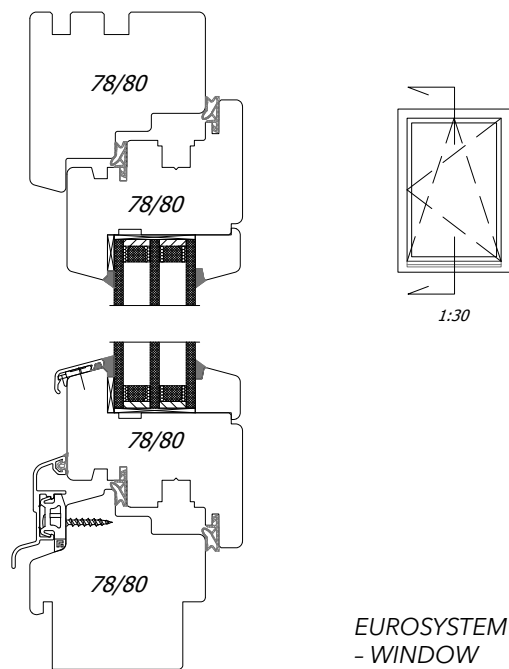
<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 68 mm. The depth of the wing is 68 mm.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 $U_g = 1,1 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	No aluminum drip on the wing - wooden drip cap. The non-market system - adapted to the character of the retro-style carpentry.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• handles with keys, handles with button etc.</li><li>• shutter openers (manual or automatic)</li><li>• ventilations</li><li>• many other...</li></ul>







Windows **Eurosystem 78** is a window system opening inwards, typical for woodwork used in Poland and the countries of Central and Western Europe. This system has frame and wing constructions of the same thickness, 78mm. and is based on the Eurosystem 68 window profile - with the difference that it allows you to use the triple glazing thanks to its thicker construction. It causes that the window is warmer and has a lower heat transfer coefficient ( $U_w$ ). The basic Eurosystem 78 profile allows the use of a 3-glass packet with a heat factor of  $U_g = 0,7 \text{ W / (m}^2\text{K)}$  in its design.



EUROSYSTEM 78  
- WINDOW  
VERTICAL SECTION



<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 78 mm. The depth of the wing is 78 mm.
<b>Glazing:</b>	As a standard, triple glazing 4/12/4/12/4 $U_g = 0,7 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. In addition, an aluminum trough in the window frame. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• handles with keys, handles with button etc.</li><li>• shutter openers (manual or automatic)</li><li>• rotary hardware - tornado</li><li>• ventilations</li><li>• many other...</li></ul>

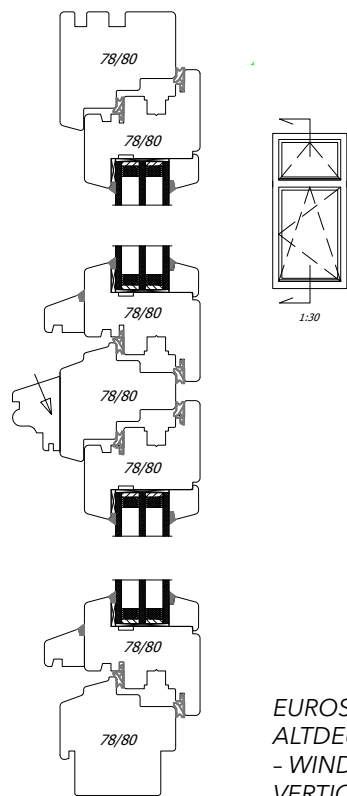




Eurosystem 78 Stylish



Windows **Eurosystem 78 Stylish** (Altdeutsch) is a stylish window system that opens inwards - typical of historic architecture. The design of this window is based on the Eurosystem 78 standard profile, additionally enriched with decorative elements, like a decorative crossbar and post on the wing, aluminium drip on the frame had been replaced with a wooden drip on wing. It is a twin construction for the window Eurostem 68 - Altdeutsch, with the difference that it allows the use of a triple glazing unit with a heat factor of  $U_g = 0,7 \text{ W / m}^2\text{K}$ .



EUROSYSTEM 78  
ALTDEUTSCH  
- WINDOW  
VERTICAL SECTION

Eurosystem 78 Stylish



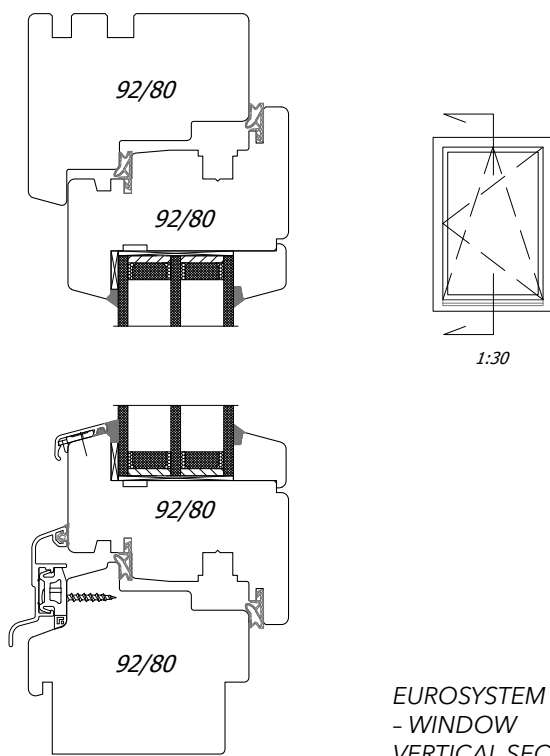
<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 78 mm. The depth of the wing is 78 mm.
<b>Glazing:</b>	As a standard, triple glazing 4/12/4/12/4 $U_g = 0,7 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	No aluminum drip on the wing - wooden drip cap. The non-market system - adapted to the character of the retro-style carpentry.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• handles with keys, handles with button etc.</li><li>• shutter openers (manual or automatic)</li><li>• ventilations</li><li>• many other...</li></ul>







Windows **Eurosystem 92** is the warmest profile, available in our offer of window system opening inwards, typical for woodwork used in Poland and the countries of Central and Western Europe. This system has frame and sash constructions of the same thickness, 92 mm. and it allows the use of a triple glazing unit with the best thermal insulation cause of its even thicker construction. The window in this profile meets the requirements of a passive window. The basic Eurosystem 92 profile allows the use of a 3-glass packet with a heat factor of  $U_g = 0,5 \text{ W / (m}^2\text{K)}$  in its construction.



EUROSYSTEM 92  
- WINDOW  
VERTICAL SECTION



<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 92 mm. The depth of the wing is 92 mm.
<b>Glazing:</b>	As a standard, triple glazing 4/18/4/18/4 $U_g = 0,5 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. In addition, an aluminum trough in the window frame. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• handles with keys, handles with button etc.</li><li>• shutter openers (manual or automatic)</li><li>• rotary hardware - tornado</li><li>• ventilations</li><li>• many other...</li></ul>

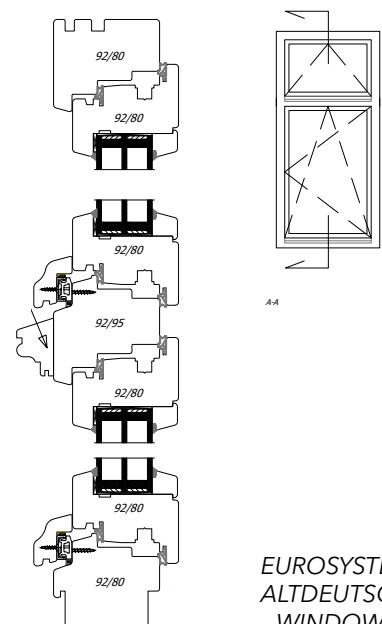






## Eurosystem 92 Stylish

Windows **Eurosystem 92 Stylish** (Altdeutsch) is a stylish window system that opens inwards - typical of historic architecture. The design of this window is based on the Eurosystem 92 standard profile, additionally enriched with decorative elements, like a decorative crossbar and post on the wing, aluminium drip on the frame had been replaced with a wooden drip on wing. It is a twin construction for the window Eurostem 78 - Altdeutsch, with the difference that it allows the use of the thicker triple glazing unit with the best heat factor of  $U_g = 0,5 \text{ W / m}^2\text{K}$ .



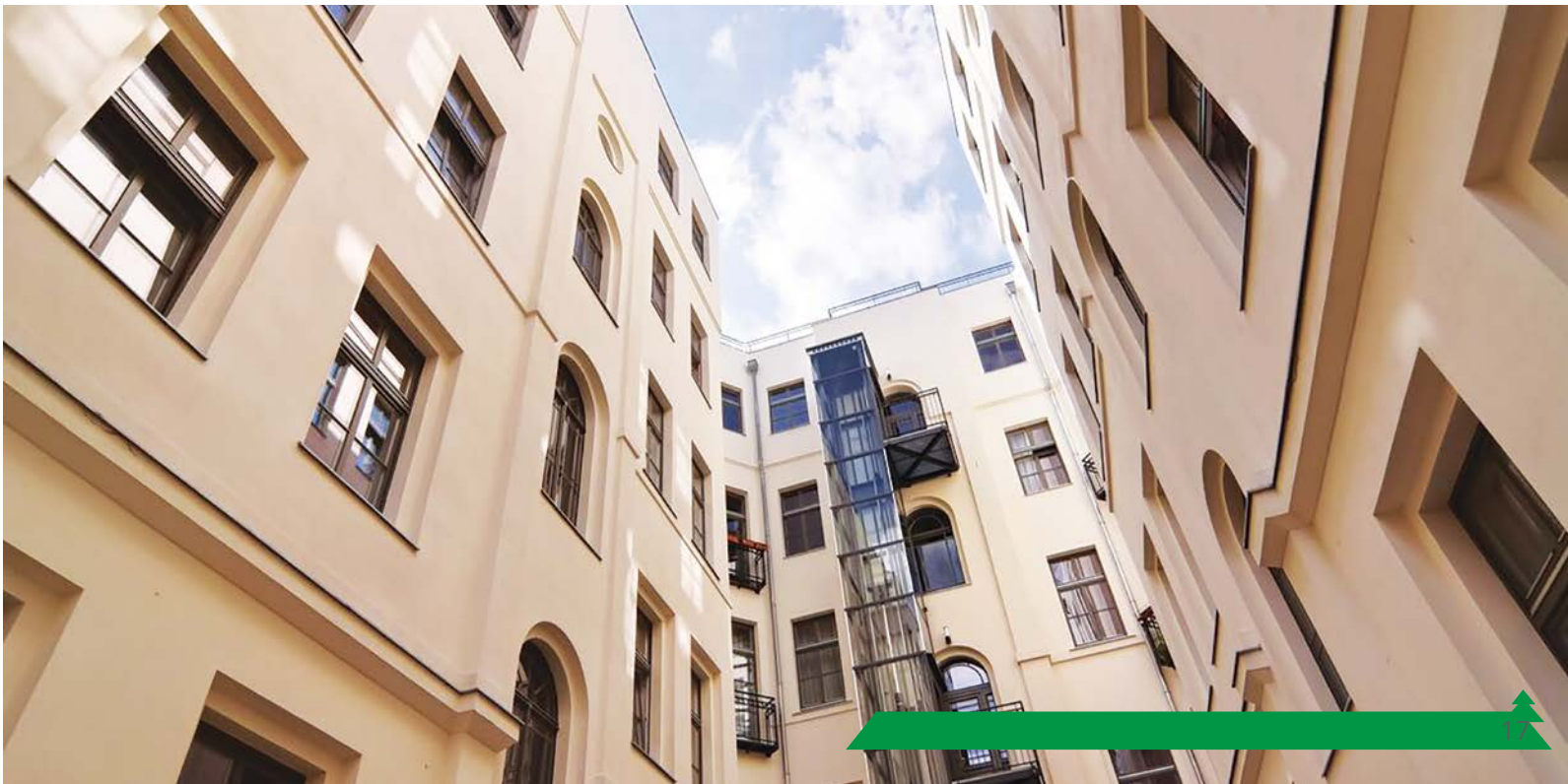
EUROSYSTEM 92  
ALTDEUTSCH  
- WINDOW VERTICAL SECTION



## Eurosystem 92 Stylish



<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 92 mm. The depth of the wing is 92 mm.
<b>Glazing:</b>	As a standard, triple glazing 4/18/4/18/4 $U_g = 0,5 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	No aluminum drip on the wing - wooden drip cap. The non-market system - adapted to the character of the retro-style carpentry.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• handles with keys, handles with button etc.</li><li>• shutter openers (manual or automatic)</li><li>• ventilations</li><li>• many other...</li></ul>

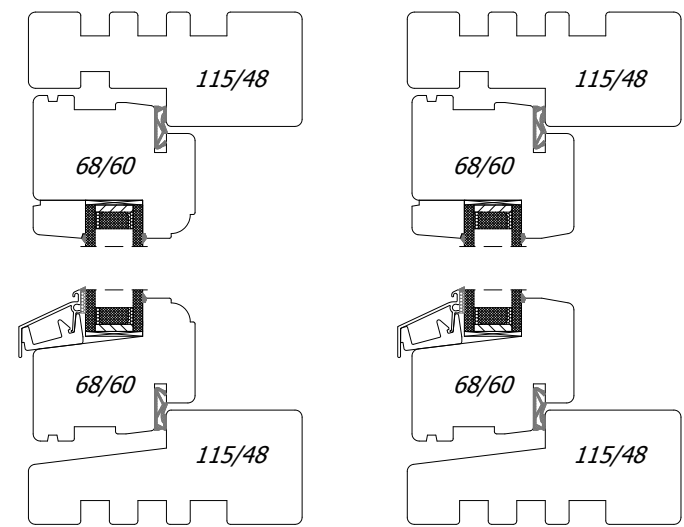




Skandinova 68 Classic



Windows **Skandinova 68 Classic** is one of the scandinavian window profiles. Scandinavian windows are a typical window system used in Scandinavian countries, i.e. Denmark, Sweden, Norway, Finland. Characteristic of these windows is their design and the way of opening - to the outside, cause to which the windows are additionally sealed by the wind and save free space inside the room without causing a collision when opening inside. Profile Skandinova 68 Classic allows to use in its construction a double-glazed unit with a heat factor of  $U_g = 1,1 \text{ W / (m}^2\text{K)}$ .



SKANDINOVA 68  
CLASSIC RETRO  
- WINDOW  
VERTICAL SECTION

SKANDINOVA 68  
CLASSIC MODERN  
- WINDOW  
VERTICAL SECTION

Skandinova 68 Classic



<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 115 mm. The depth of the wing is 68 mm.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 $U_g = 1,1 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. The system of closing on handles or stylish hooks.
<b>Gasket:</b>	Profile gasket from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, removable outside bars etc.)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• decorative hinges and decorative corners on the wings</li><li>• brake in handles</li><li>• ventilations</li><li>• many other...</li></ul>

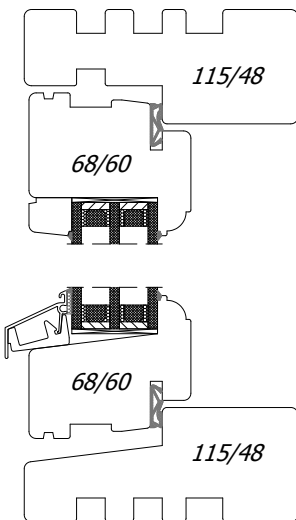
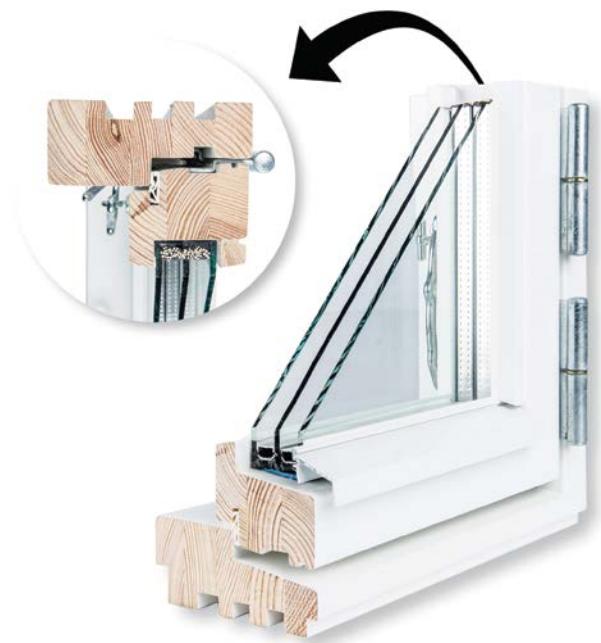




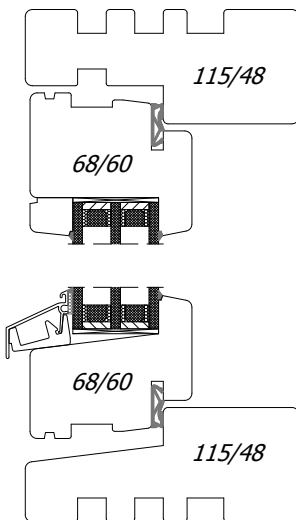
Skandinova 68 Termo



Windows **Skandinova 68 Termo** is one of the scandinavian window profiles. Scandinavian windows are a typical window system used in Scandinavian countries, i.e. Denmark, Sweden, Norway, Finland. Characteristic of these windows is their design and the way of opening - to the outside, cause to which the windows are additionally sealed by the wind and save free space inside the room without causing a collision when opening inside. Profile Skandinova 68 Termo allows to use in its construction a tripple-glazed unit with a heat factor of  $U_g = 0,7 \text{ W/(m}^2\text{K)}$ .



SKANDINOVA 68  
TERMO RETRO  
- WINDOW  
VERTICAL SECTION



SKANDINOVA 68  
TERMO MODERN  
- WINDOW  
VERTICAL SECTION

Skandinova 68 Termo



<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 115 mm. The depth of the wing is 68 mm.
<b>Glazing:</b>	As a standard, tripple glazing 4/12/4/12/4 $U_g = 0,7 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. The system of closing on handles or stylish hooks.
<b>Gasket:</b>	Profile gasket from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, removable outside bars etc.)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• decorative hinges and decorative corners on the wings</li><li>• brake in handles</li><li>• ventilations</li><li>• many other...</li></ul>

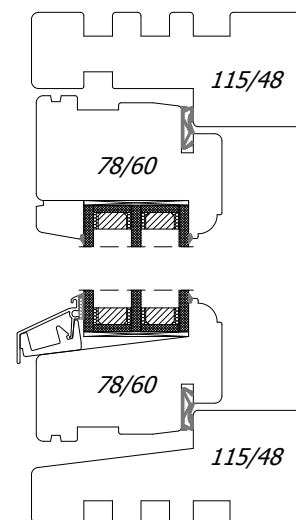




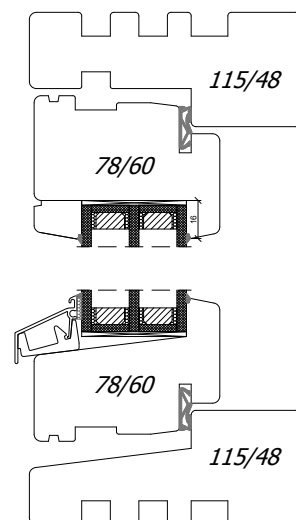


## Skandinova 78

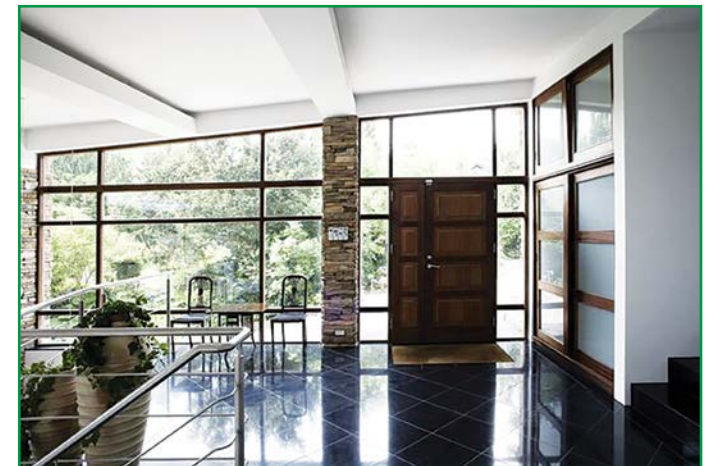
Windows **Skandinova 78** is the warmest profile of the scandinavian window profiles. Scandinavian windows are a typical window system used in Scandinavian countries, i.e. Denmark, Sweden, Norway, Finland. Characteristic of these windows is their design and the way of opening - to the outside, cause to which the windows are additionally sealed by the wind and save free space inside the room without causing a collision when opening inside. Profile Skandinova 78 allows to use in its construction a tripple-glazed unit with a heat factor of  $U_g = 0,5 \text{ W / (m}^2\text{K)}$ .



SKANDINOVA 78  
RETRO  
- WINDOW VERTICAL  
SECTION



SKANDINOVA 78  
MODERN  
- WINDOW VERTICAL  
SECTION



## Skandinova 78

<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 115 mm. The depth of the wing is 78 mm.
<b>Glazing:</b>	As a standard, tripple glazing 4/16/4/16/4 $U_g = 0,5 \text{ W / m}^2\text{K}$ . Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. The system of closing on handles or stylish hooks.
<b>Gasket:</b>	Profile gasket from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, removable outside bars etc.)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• decorative hinges and decorative corners on the wings</li><li>• brake in handles</li><li>• ventilations</li><li>• many other...</li></ul>

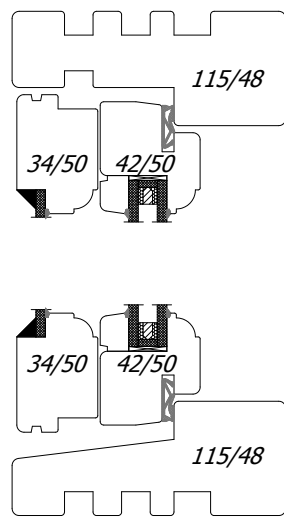




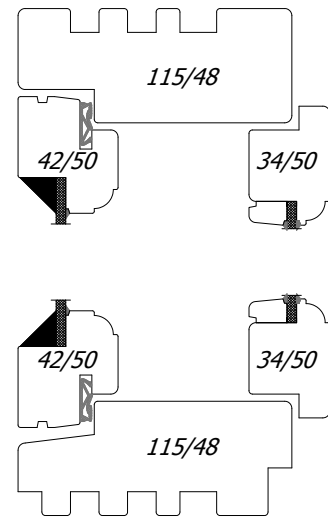
Skandinova 2+1



Windows **Skandinova 2 + 1** is a scandinavian window profile, typical of historic architecture, most often used in Sweden, Denmark and Norway. The 2 + 1 system is characteristic for old historic buildings where attachment to tradition and architectural requirements usually do not allow the use of windows in a single-frame system and a prerequisite is to map existing carpentry according to constructions from many years ago. Our 2 + 1 system is a combination of the old character of Scandinavian windows and new technology. The basic Skandinova 2 + 1 profile allows the use of two different glazing units in its construction - a double-glazed unit in the inner wing with a heat factor of  $U_g = 1,7 \text{ W / (m}^2\text{K)}$  and a single 4 or 6 mm thick pane in the outer wing.



SKANDINOVA 2+1  
OPENABLE OUTSIDE  
- WINDOW VERTICAL  
SECTION



SKANDINOVA 1+1  
OPENABLE OUTSIDE/INSIDE  
- WINDOW VERTICAL  
SECTION

Skandinova 2+1



<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 115 mm. The depth of the wing is 42 mm. and 34 mm.
<b>Glazing:</b>	As a standard, double glazing 4/8/4 $U_g = 1.7 \text{ W / m}^2\text{K}$ . in the inner wing. Single float glass 4 or 6 mm. in the outer wing. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection and old style „hand made“ glass (restover glass). Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. The system of closing on stylish hooks.
<b>Gasket:</b>	Profile gasket from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	No aluminum drip on the wing. Windows from the outside sealed with putty. The windowless system window - nonslip.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (wooden construction in the outer wing, vienna bars in the inner wing)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• decorative hinges and decorative corners on the wings</li><li>• many other...</li></ul>

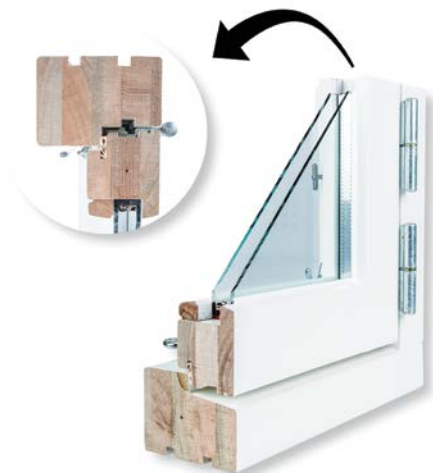




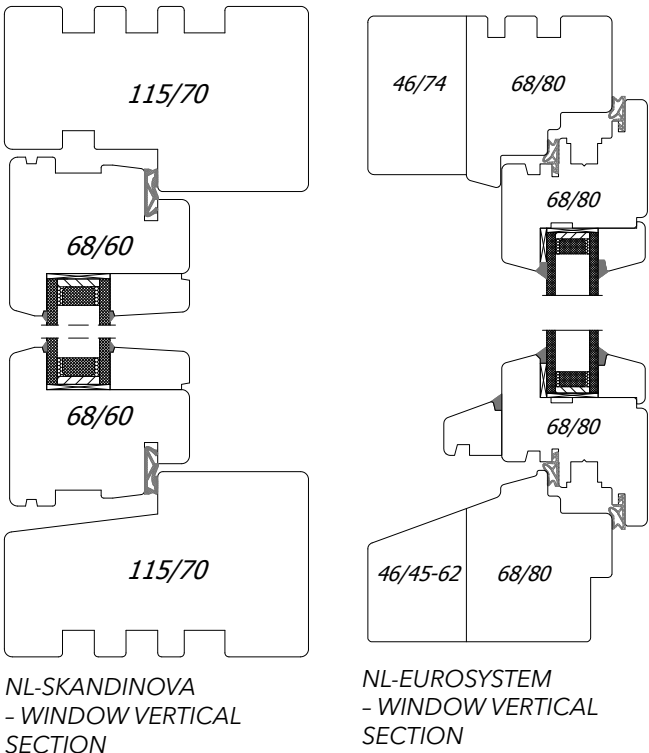
NL-Skandinova & NL-Eurosystem



Windows **NL-SKANDINOVA** is one of the window profiles used in the Netherlands. This system is based on the construction of a Scandinavian window - the difference based on the thicker construction of the window frame and the profile closed from the outside and from the inside ending with a glazing strip. Other details are based on the Scandinavian profile, both fittings and window opening system - outside. The NL-Skandinova system profile is characteristic of the stylish building development of very typical and often residential buildings in the Netherlands.



Windows **NL-EUROSYSTEM** is one of the window profiles used in the Netherlands. This system is based on window profile Eurosystem 68 window construction - the difference lies in the thicker construction of the window frame deepened to the dimension of 114mm. Other details are based on the eurofelz profile, both fittings and window opening system - inside the room. The NL-Eurosystem 68 system is characteristic of the contemporary development of very typical and often residential buildings in the Netherlands.



NL-Skandinova & NL-Eurosystem



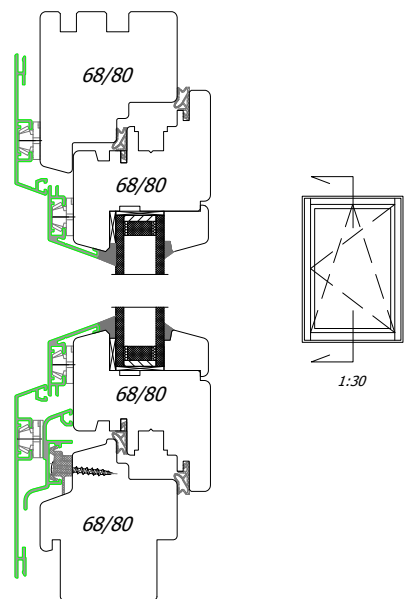
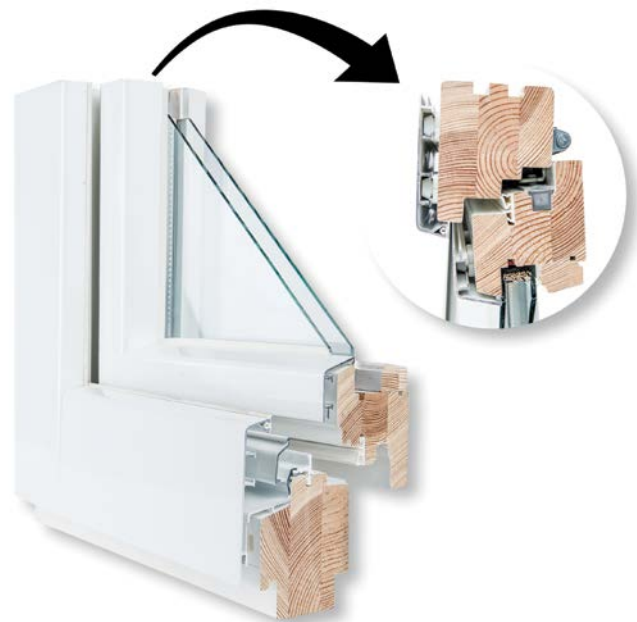
<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 115 mm. The depth of the wing is 68 mm.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 Ug = 1,1 W / m2K. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. The system of closing on handles or stylish hooks. Fittings in Eurosystem standard of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. In addition, an aluminum trough in the window frame. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, removable outside bars etc.)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• decorative hinges and decorative corners on the wings</li><li>• brake in handles</li><li>• ventilations</li><li>• many other...</li></ul>







Windows **Eurosystem + ALU** is a window system that opens inwards, typical for woodwork used in Poland and in Central and Western Europe. Today, as widely used and modified for thicker profiles adapted to warmer glass packages. The basic Eurosystem 68 + ALU profile, however, allows the use of a 2-pane  $U_g = 1.1$  W / (m<sup>2</sup>K) in its construction. For other shaft packages, thicker and warmer, we offer Eurosystem 78 + ALU and Eurosystem 92 + ALU profiles, available in our offer. The Eurosystem + ALU window has been additionally enriched with an aluminum cover from the outside that completely protects the wood surfaces entirely by covering it with aluminum.



EUROSYSTEM 68 + ALU  
- WINDOW VERTICAL SECTION

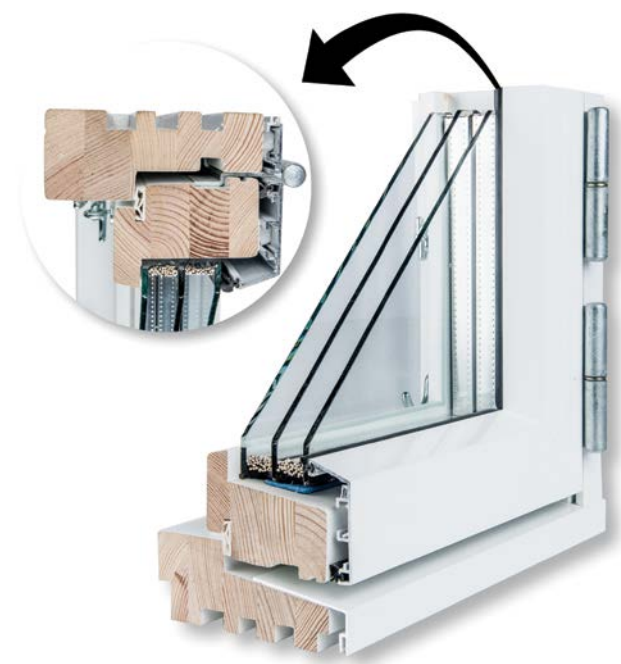
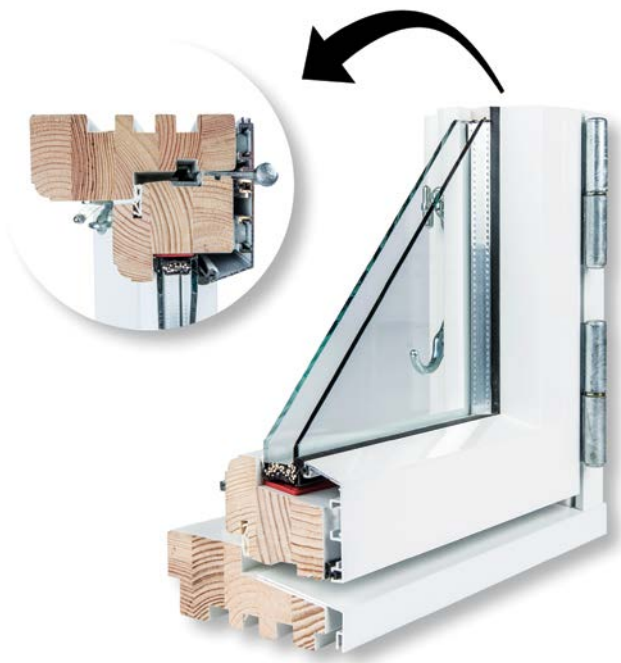


<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. The depth of the frame is 68, 78, 92 mm. The depth of the wing is 68, 78, 92 mm. In addition, GUTMANN CORA aluminum profiles from the outside.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 $U_g = 1,1$ W / m <sup>2</sup> K. Optionally, tripple glazing 4/12/4/12/4 $U_g = 0,7$ W/ m <sup>2</sup> K or 4/18/4/18/4 $U_g = 0,5$ W/ m <sup>2</sup> K. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings of SIEGENIA or ROTO manufacturers. Optional RC1 or RC2 retractable or anti-burglar hardware.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	No aluminum drip cap due to the aluminum profile from the outside. The outside surface of the wing and the frame are completely covered with aluminum. Aluminum cladding in basic RAL colors. It is possible to make an aluminum cladding in the selected color from the RAL palette on request.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• handles with keys, handles with button etc.</li><li>• shutter openers (manual or automatic)</li><li>• many other...</li></ul>

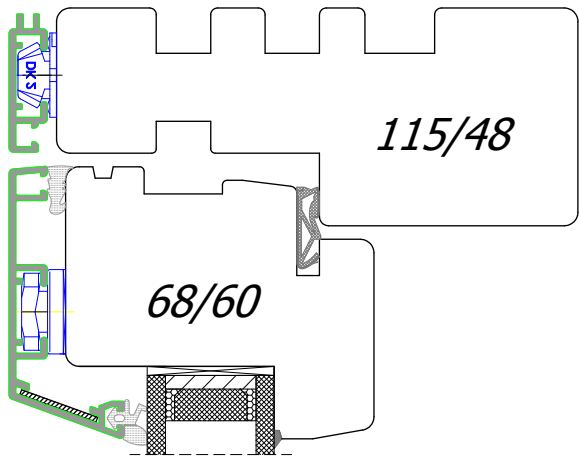




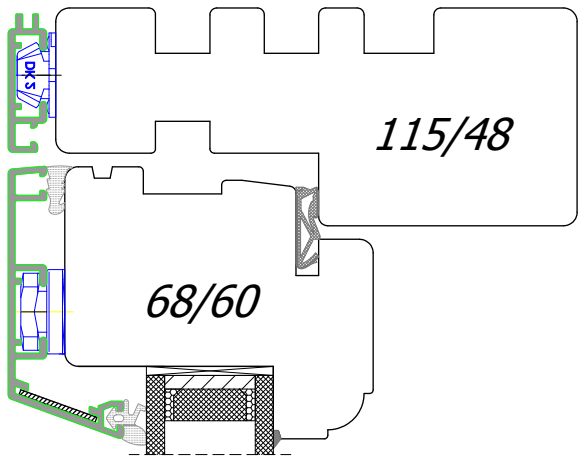
Windows **Skandinova + ALU** is a typical window system used in Scandinavian countries, i.e. Denmark, Sweden, Norway, Finland. Characteristic of these windows is their design and the way of opening - to the outside, cause to which the windows are additionally sealed by the wind and save free space inside the room without causing a collision when opening inside. Profile Skandinova + ALU has been additionally enriched with an aluminum cover from the outside that completely protects the wood surfaces entirely by covering it with aluminum.



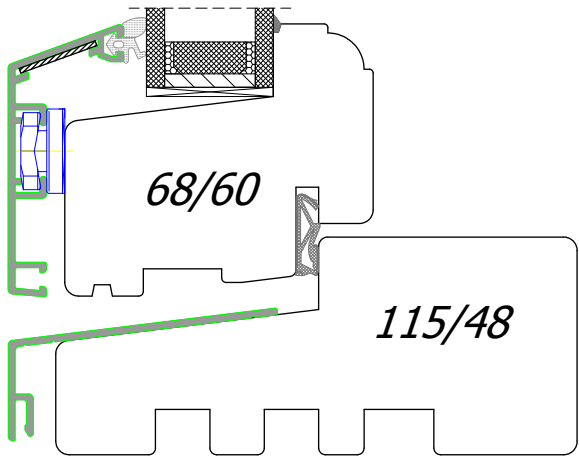
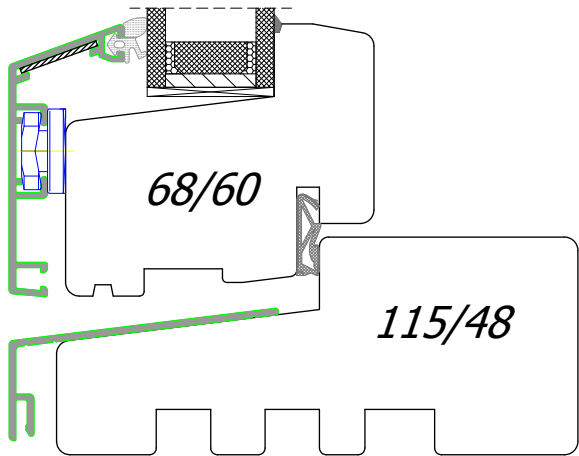
<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 115 mm. The depth of the wing is 68, 78 mm. In addition, GUTMANN NORDWIN aluminum profiles from the outside.
<b>Glazing:</b>	As a standard, double glazing 4/20/4 Ug = 1,1 W / m2K, or tripple glazing 4/12/4/12/4 Ug = 0,7 W / m2K and 4/16/4/16/4 Ug = 0,5 W / m2K. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. The system of closing on handles or stylish hooks.
<b>Gasket:</b>	Profile gasket from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	No aluminum drip cap due to the aluminum profile from the outside. The outer surface of the wing and the frame are completely covered with aluminum. Aluminum cladding in basic RAL colors. It is possible to make an aluminum cladding in the selected color from the RAL palette on request.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, etc.)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• brake in handles</li><li>• ventilations</li><li>• many other...</li></ul>



SKANDINOVA 68 CLASSIC MODERN + ALU  
- WINDOW VERTICAL SECTION

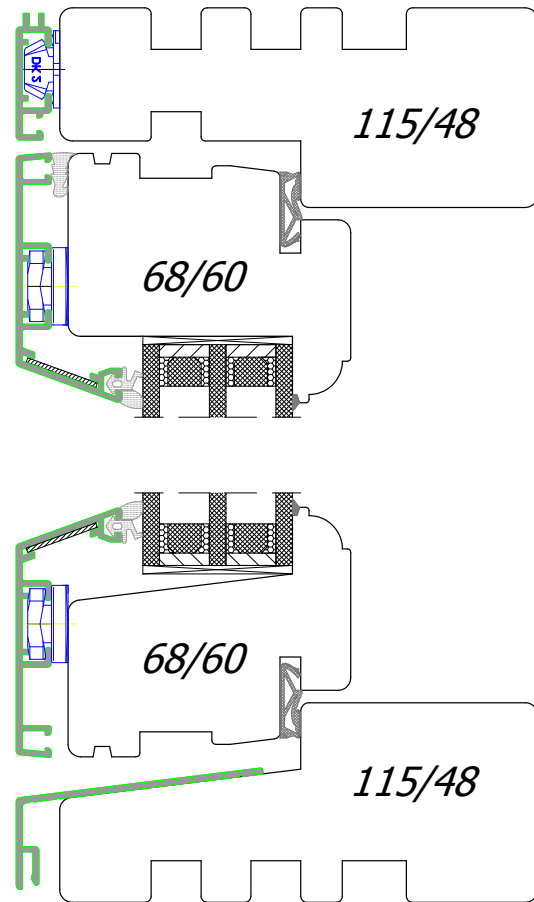


SKANDINOVA 68 CLASSIC RETRO + ALU  
- WINDOW VERTICAL SECTION

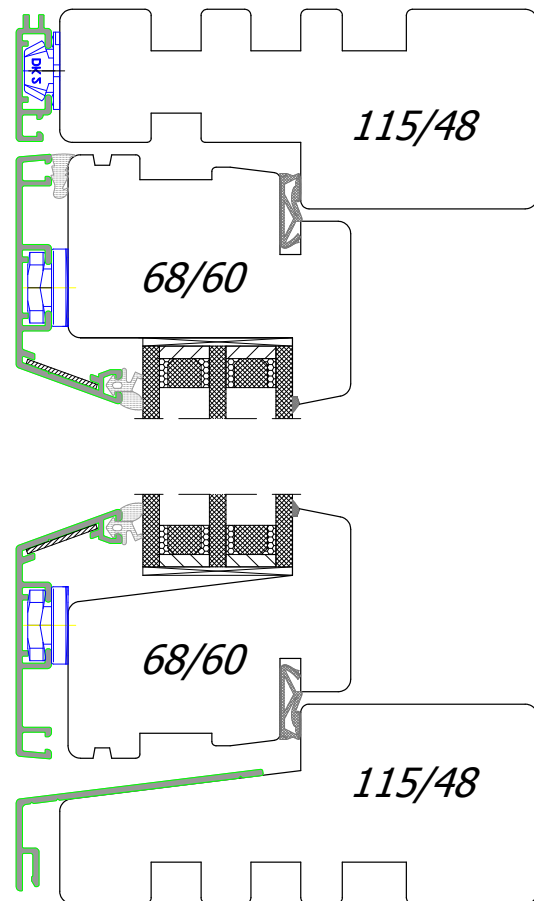




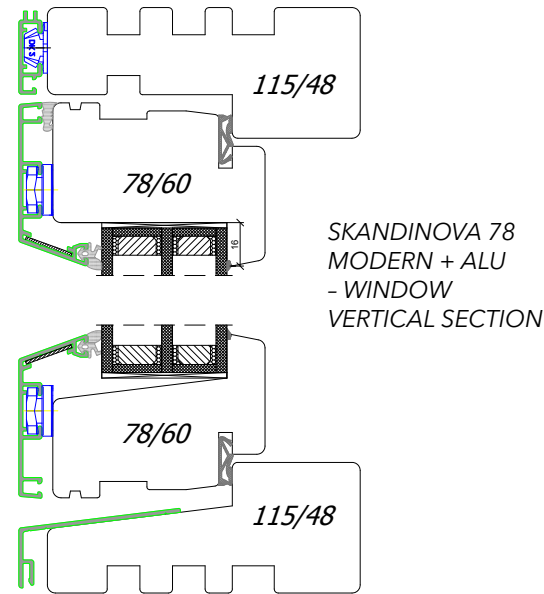
Skandinova+ALU



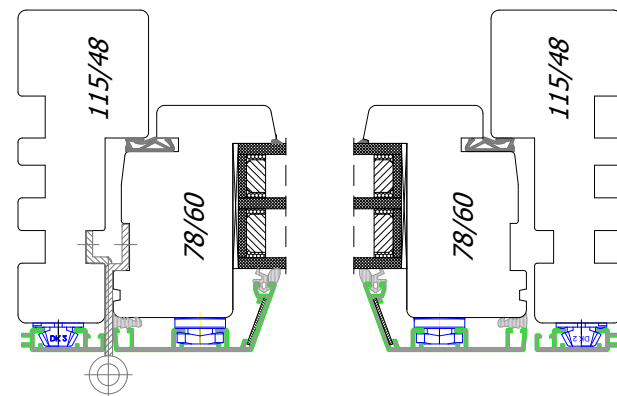
SKANDINOVA 68 TERMO RETRO + ALU  
- WINDOW VERTICAL SECTION



SKANDINOVA 68 TERMO MODERN + ALU  
- WINDOW VERTICAL SECTION



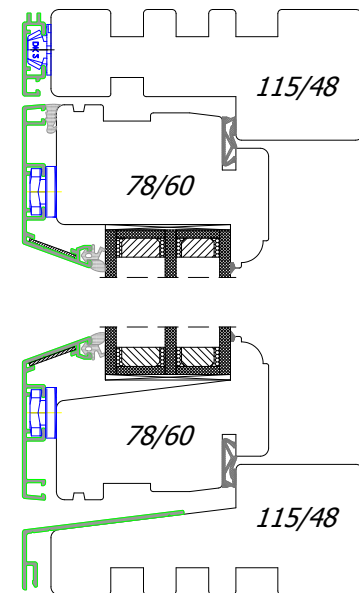
SKANDINOVA 78  
MODERN + ALU  
- WINDOW  
VERTICAL SECTION



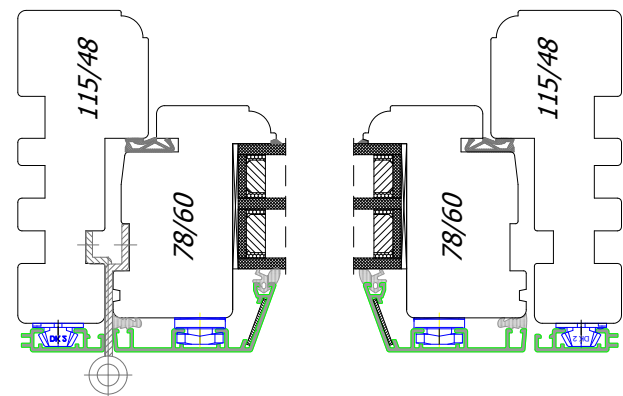
SKANDINOVA 78 MODERN + ALU  
- WINDOW HORIZONTAL SECTION



Skandinova+ALU



SKANDINOVA 78  
RETRO + ALU  
- WINDOW VERTICAL  
SECTION

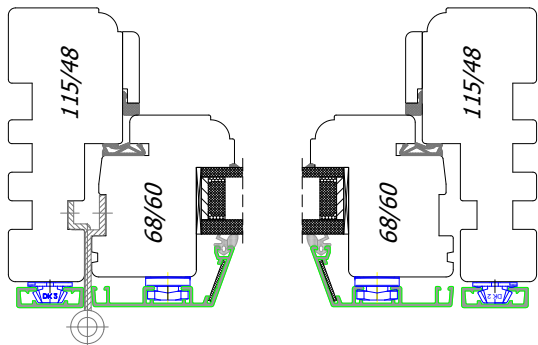
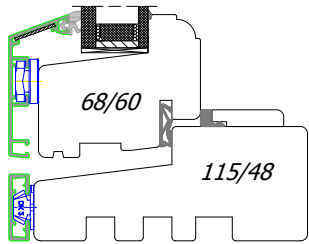
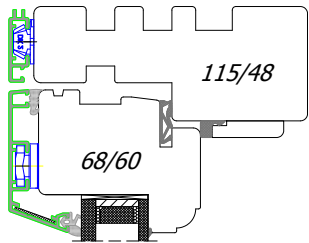


SKANDINOVA 78 RETRO + ALU  
- WINDOW HORIZONTAL SECTION



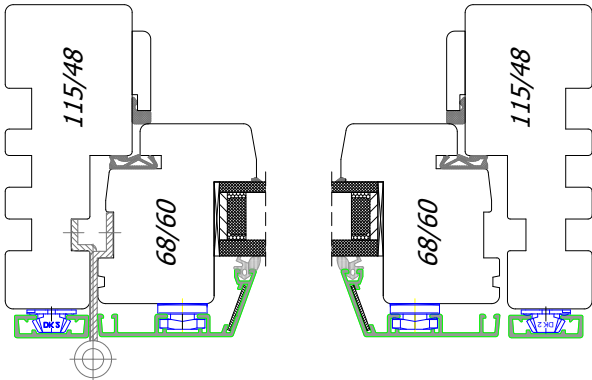
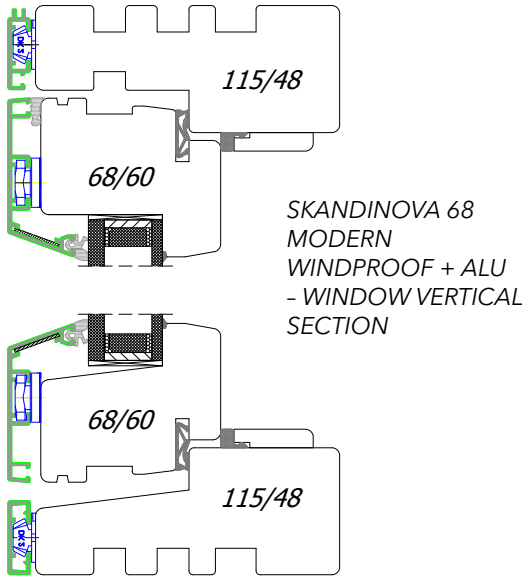


Windows **Skandinova 68 - Windproof** is a specialized window system used in the scandinavian countries, based on the standard Skandinova 68 - Classic profile. The Skandinova 68 Windproof profile is enriched with an aluminum cladding on the outside and an additional gasket. The technique of two gaskets and aluminum cladding results in better resistance to external conditions and improves the tightness of the profile to wind and water. This system is prepared for the Iceland market and meets the strict standards required in Iceland, i. e. wind load resistance up to 3000 Pa.



SKANDINOVA 68  
RETRO  
WINDPROOF + ALU  
- WINDOW VERTICAL  
SECTION

SKANDINOVA 68 RETRO WINDPROOF + ALU  
- WINDOW HORIZONTAL SECTION



SKANDINOVA 68 MODERN WINDPROOF + ALU  
- WINDOW HORIZONTAL SECTION

<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 115 mm. The depth of the wing is 68 mm. In addition, GUTMANN NORDWIN aluminum profiles from the outside.
<b>Glazing:</b>	As a standard, double glazing 6/18/4 Ug = 1,1 W / m2K. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. The system of closing on handles or stylish hooks.
<b>Gasket:</b>	Two profile gaskets from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	No aluminum drip cap due to the aluminum profile from the outside. The outer surface of the wing and the frame are completely covered with aluminum. Aluminum cladding in basic RAL colors. It is possible to make an aluminum cladding in the selected color from the RAL palette on request.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, etc.)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• brake in handles</li><li>• many other...</li></ul>

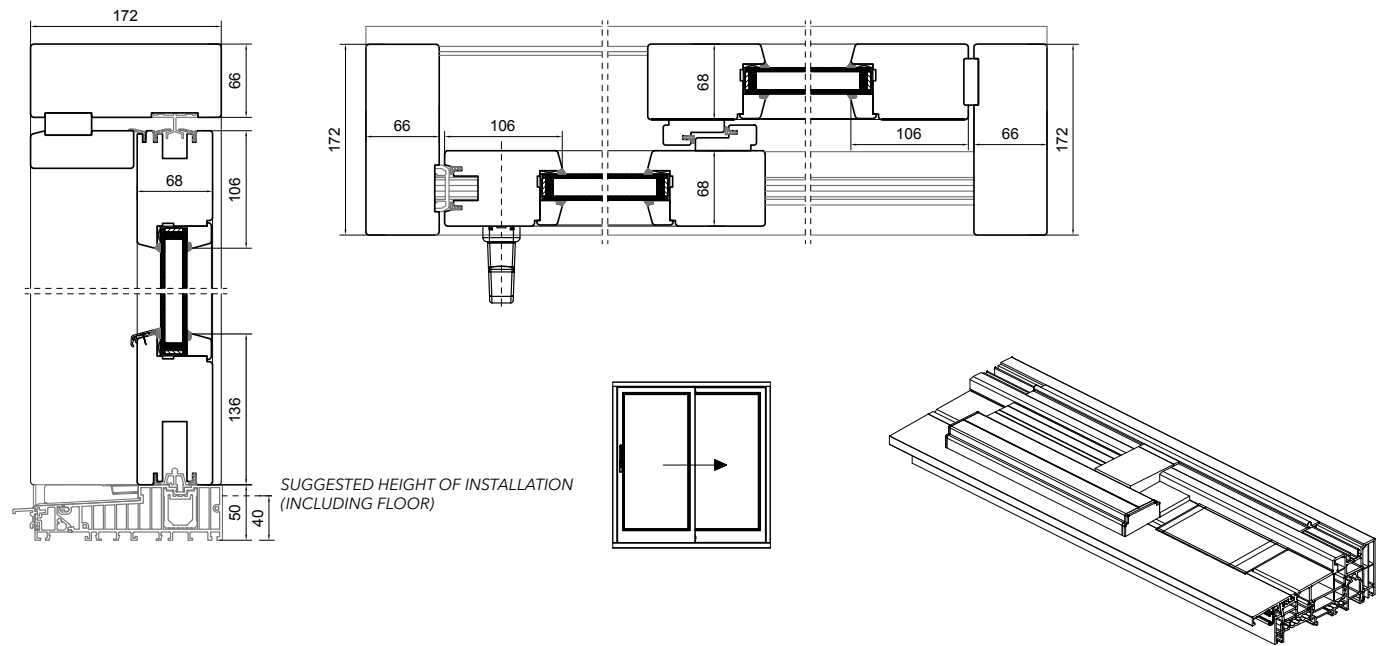




Sliding System HS



Sliding doors in **HS system** are an ideal solution for people who value comfort and convenience. The system is prepared for large sizes of terrace windows for use both at home and in public spaces. It is possible to make in many opening configurations, from one movable wing to two in several variants in combination with other fixed elements. Sliding windows provide convenience and safety of everyday use. Very pleasant and light use, thanks to the matched parts such as carts, espagnolette and door handles - provides a sense of high comfort and guarantees users satisfaction from the choice of using this system.

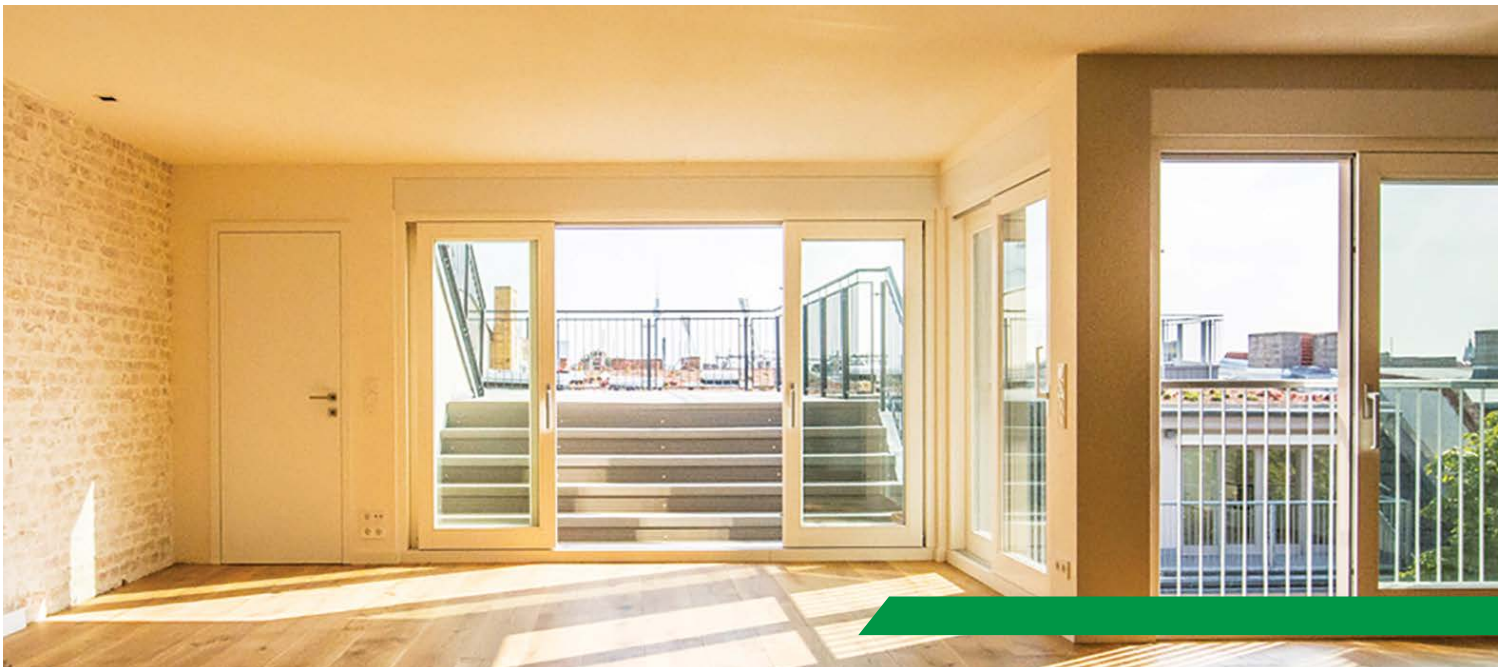


HS 68 - SCHEME A

Sliding System HS



<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak, sapele. The depth of the frame since 172 mm. The depth of the wing is 68, 78, 92 mm.
<b>Glazing:</b>	As a standard, double glazing 4/18/4 Ug = 1,1 W / m2K. Optionally tripple glazing 4/12/4/12/4 Ug=0,7 W / m2K and 4/18/4/18/4 Ug=0,5 W / m2K. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	System Fittings. Lock with handle and handrail from the outside. The low-threshold aluminum system.
<b>Gasket:</b>	System gaskets. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• single-sided or double-sided handle</li><li>• handle with a key or an cylinder</li><li>• many other...</li></ul>

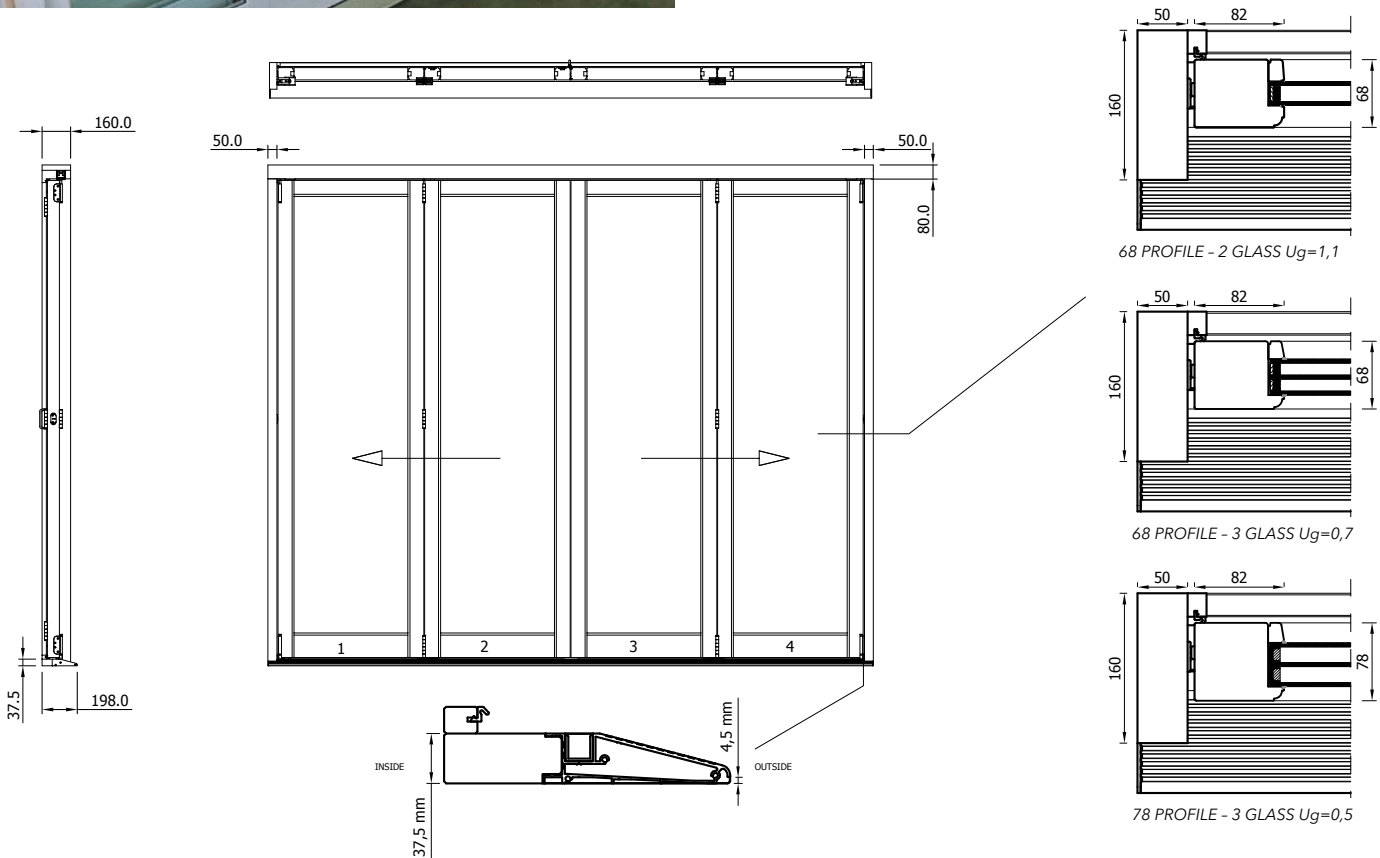




Folding System BRIO



Folding doors in the **BRIO system** are the perfect solution for those who value comfort and convenience. The system is prepared for large sizes of terrace windows for use both at home and in public spaces. It is possible to make up in many opening configurations. The accordion windows ensure comfort and safety of everyday use. This system gives the possibility of completely opening all guiding wings and obtaining in the free space and light a passage along the entire width of the opening of the terrace window.



Folding System BRIO

<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak, sapele. The depth of the frame is 160 mm. The depth of the wing is 68 mm. or 78 mm.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 Ug = 1,1 W / m2K. Optional tripple glazing 4/12/4/12/4 Ug=0,7 W / m2K. or 4/16/4/16/4 Ug=0,5 W / m2K. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	System fittings from BRIO. Wing hinges and locking system. In addition, the possibility of a key handle. Low-aluminum-wooden threshold system.
<b>Gasket:</b>	Profile gasket from Dewenter or Primo. The color of the gasket - white, brown - depending on the color of the joinery.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars etc.)</li><li>• single-sided or double-sided handle</li><li>• handle with a key or an cylinder</li><li>• many other...</li></ul>

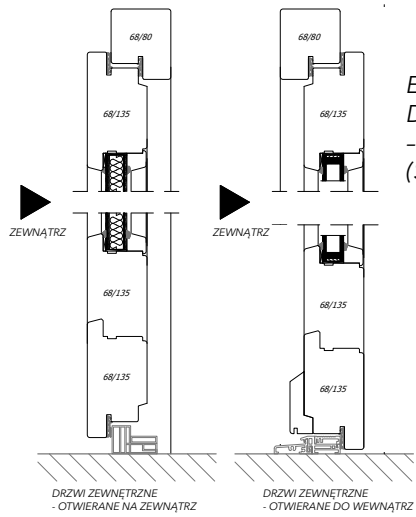
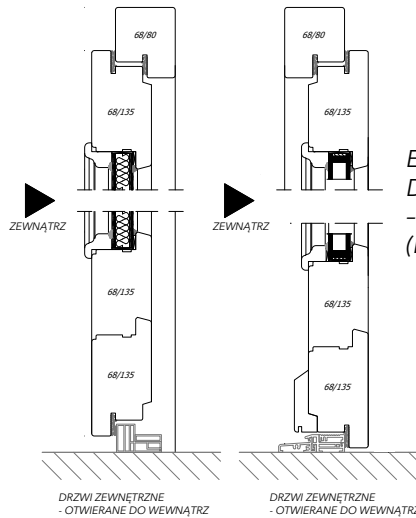




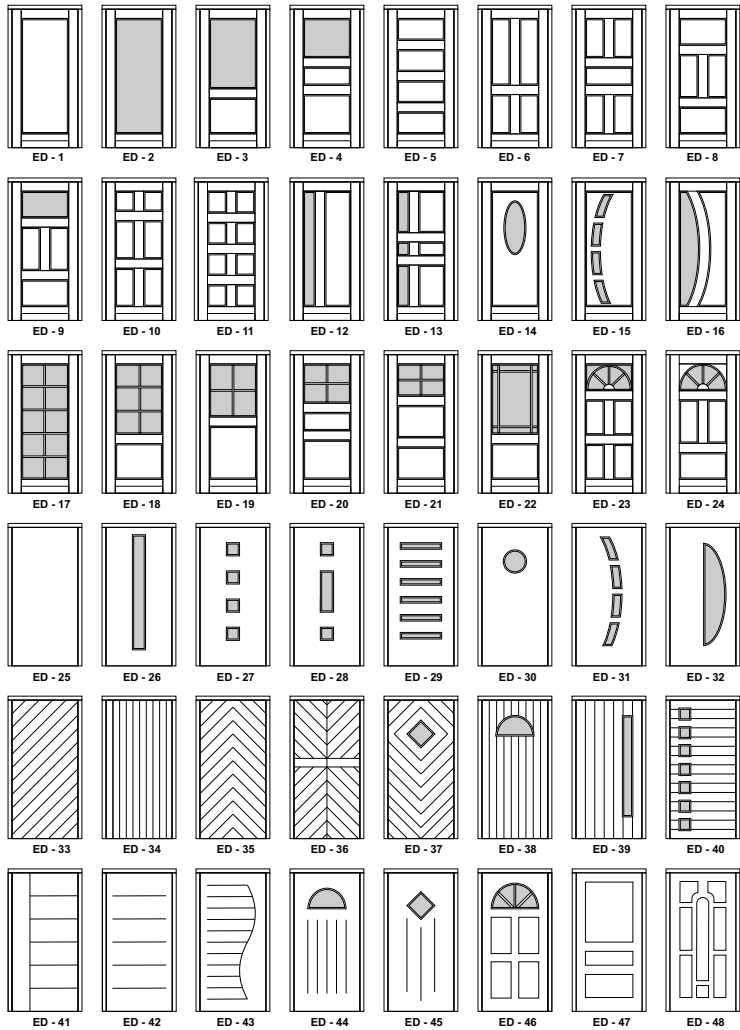
Outside Door Eurosystem



**EUROSYSTEM** outside doors next to the windows of the eurosystem profile is another product in our offer intended for the Polish and foreign markets, in particular the countries of Western Europe. Our doors complement the full range of the European system prepared for our customers. The profile of the frame and wing is similar to the windows in the Eurosystem 68, 78, 92 system and together with these windows it fits perfectly and is a complete set. Keeping in mind that this is the most important and effective element of the external facade, our doors are made individually according to the design. We are able to make any design in any solution.



Drzwi zewnętrzne Eurosystem



EXAMPLES OF OUTSIDE DOORS DESIGN

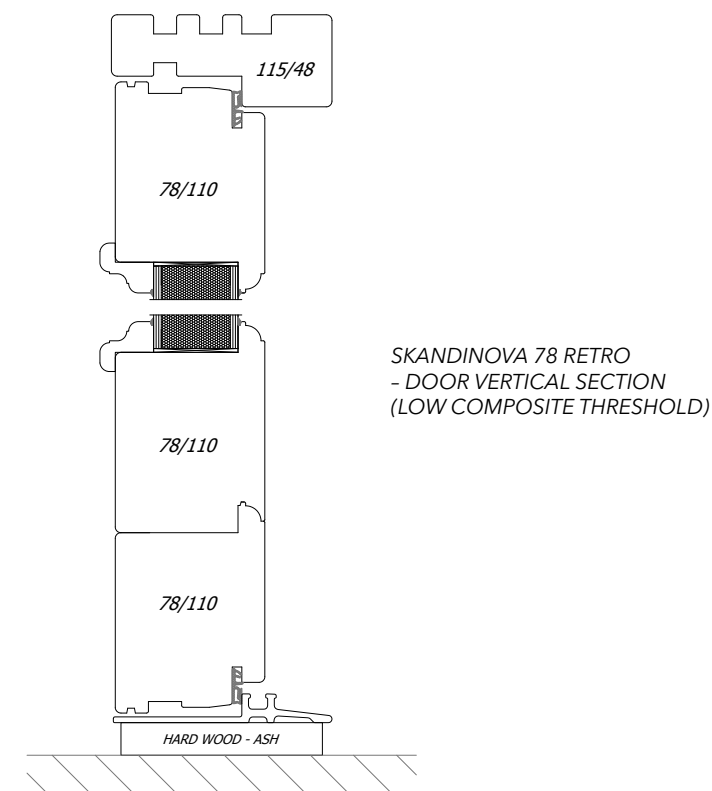
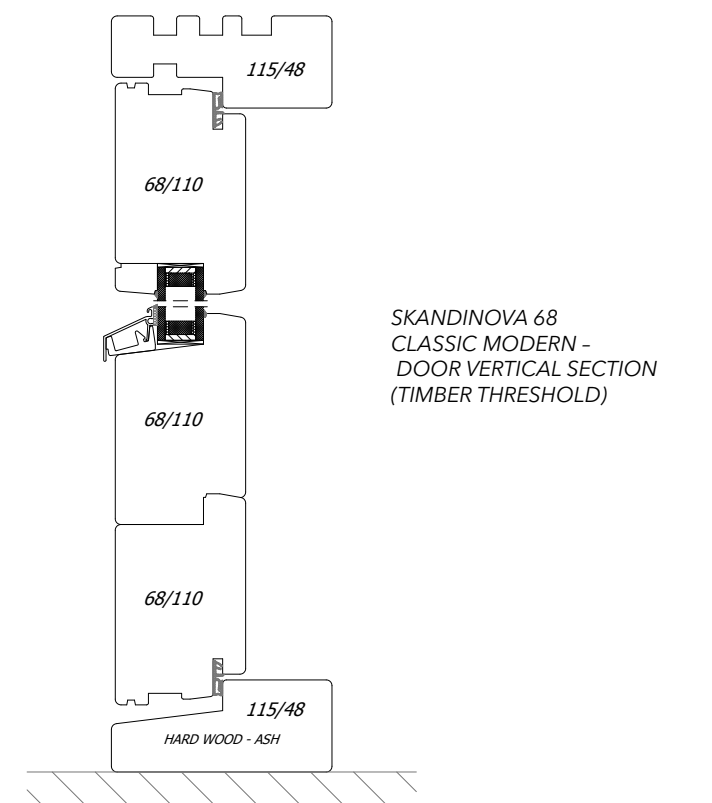
<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 68, 78, 92 mm. The depth of the wing is 68, 78, 92 mm.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 Ug = 1,1 W / m2K. Optional tripple glazing 4/12/4/12/4 Ug=0,7 W / m2K and 4/18/4/18/4 Ug=0,5 W / m2K. Optional panel with XPS and waterproof plywood. 24 mm. / 36 mm. / 48 mm. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the European standard of the renowned company G-U and FUHR. Complete lock acc. European standards 3-point lock to single or double insert. In addition, the insert with keys included.
<b>Gasket:</b>	Profile gasket from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum or wooden drip on the wing. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Threshold:</b>	Low Aluminium threshold.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, removable outside bars etc.)</li><li>• standard handle or extra handle on individual order</li><li>• espagnolettes with electric access</li><li>• many other...</li></ul>



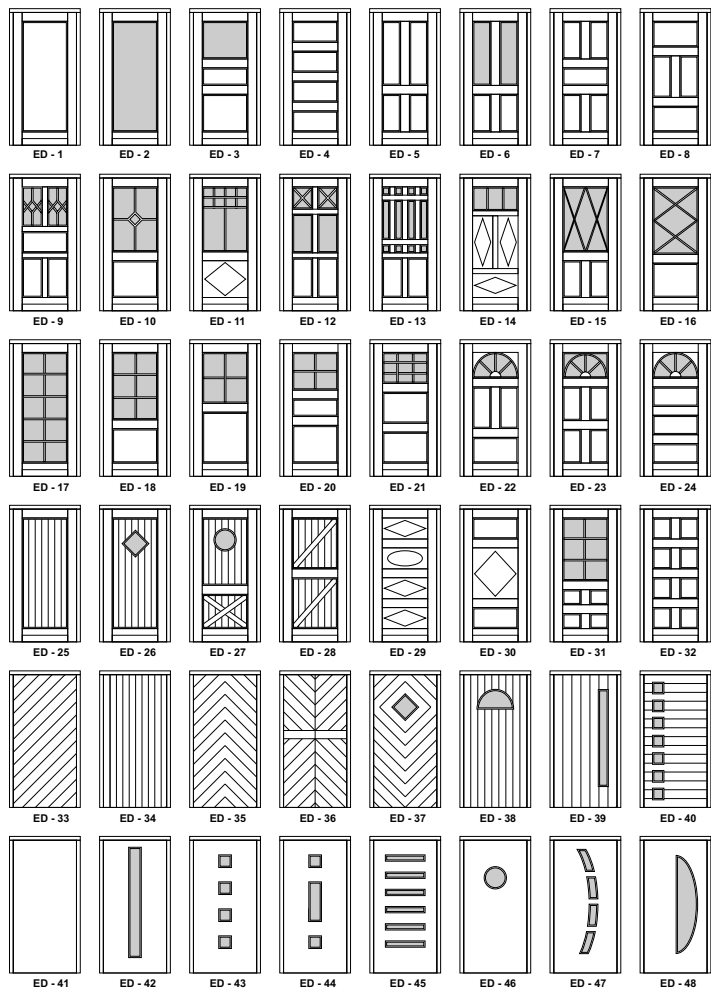
Outside Door Skandinova



**SCANDINAVIAN Outside doors** next to the windows of the Scandinavian system is another product in our offer for the Scandinavian market. Scandinavian doors complete the complete offer of the Scandinavian system prepared for our customers in Sweden, Denmark, Norway, Finland and Iceland.



Outside Door Skandinova



EXAMPLES OF OUTSIDE DOORS DESIGN

<b>Construction:</b>	The wooden glued timber - pine, meranti, sapele. The depth of the frame is 115 mm. The depth of the wing is 68 mm. or 78 mm.
<b>Glazing:</b>	As a standard, double glazing 4/16/4 Ug = 1,1 W / m2K. Optional tripple glazing 4/12/4/12/4 Ug=0,7 W / m2K. or 4/16/4/16/4 Ug=0,5 W / m2K. Optional panel with XPS and waterproof plywood. 24 mm. / 36 mm. / 44 mm. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic edge frame or RAL color edge frame.
<b>Fittings:</b>	Fittings in the Scandinavian standard of producer IPA and ASSA. A complete ASSA lock according to Scandinavian standards - without a cylinder and a sign (for self-purchase and assembly on place).
<b>Gasket:</b>	Profile gasket from Dewenter or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Threshold:</b>	Wooden threshold made of hardwood (ash or oak) or a low system threshold made of composite.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, removable outside bars etc.)</li><li>• standard handle with cylinder and key - to ASSA locks</li><li>• decorative hinges and decorative corners on the wings</li><li>• many other...</li></ul>



Inside Door



**Inside wooden doors**, next to wooden windows and outside doors is another product available in our offer, which is made from the beginning to the end by us by developed technology. Our doors are the pride of every interior and thanks to the possibility of making them on order according to The design and size will perfectly match any interior design and with other wooden elements. Wooden doors, we make a high grade of glued pine wood, covered with natural ash veneer. Our door is a high quality product that gives elegance to any interior, regardless of the style and character of the decor.



Inside Door

<b>Construction:</b>	The wooden glued timber - pine, meranti, sapeli. Fencing frame made to measure the thickness of the wall. Thickness 42 mm.
<b>Glazing:</b>	As standard, 4mm single float. or coffer (filling). Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, etc.
<b>Fittings:</b>	Standard recessed or magnetic locks. Hinges peg visible or hidden inside the sash and frame (invisible after closing).
<b>Gasket:</b>	Profile gasket from Primo. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (vienna bars, construct bars)</li><li>• standard handle with lock on key or WC-lock</li><li>• many other...</li></ul>



Wintergardens



**Winter Gardens** are nothing more than additional rooms in the houses, which perfectly brighten the interior and allow you to permanently connect with the surrounding nature and be so close even in winter, when the window negative temperature and unpleasant weather outside. They are a great way to increase the space and usable area of the house. Increasingly popular element of every home become a place of everyday life of the household. It is a perfect transition between the interior of the house and its external garden.



Wintergardens

<b>Construction:</b>	The wooden glued timber - pine, meranti, larch, oak. Dimensions and parameters matched to the size of the structure. The roof in a wooden-aluminum structure based on the GUTMANN aluminium profile system.
<b>Glazing:</b>	As a standard, double glazing in wall elements 4/18/4 Ug = 1,1 W / m2K. Roof with safety glazing ESG-VSG. Optionally, panes with increased acoustic insulation parameters, safe, tempered, anti-burglary, ornamental glass, solar protection, etc. Standard aluminum edge frame. Optionally for the use of warm plastic frame or RAL color frame.
<b>Fittings:</b>	Depending on the parameters of the structure, it can be used in elements of opened fittings envelope system Eurosystem or hardware IPA Scandinavian system and sliding hardware HS system.
<b>Gasket:</b>	Profile gasket from Dewenter, Primo or Schlegel Q-Lon. The color of the gasket - white, brown, black, gray - depending on the color of the joinery.
<b>Drip:</b>	Aluminum drip on the wing. Color - white, brown, black, aluminum, anthracite - depending on the color of the joinery. Optionally, it is possible to choose a drip for the color of the joinery in the selected RAL color on a special order.
<b>Silicone:</b>	Silicone applied to our joinery only by reputable manufacturers. Color - colorless, white, light brown, dark brown, black, anthracite - depending on the color of the joinery.
<b>Colors:</b>	Joinery painted in lasur colors with visible wood structure from the available color palette or any solid color from the RAL or NCS palette.
<b>Accessories:</b>	<ul style="list-style-type: none"><li>• window bars (inside internal glass, vienna bars, construct bars, removable outside bars etc.)</li><li>• handles with keys, handles with cylinder-key to balcony doors etc.</li><li>• shutter openers (manual or automatic)</li><li>• electric systems for opening tilting elements by means of motors</li><li>• ventilations</li><li>• many other...</li></ul>







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