

WOODEN
WINDOWS
AND DOORS







Wooden windows

Design Line

Holland

DESIGN

- the special design of windows intended for the **Dutch** market.
- outside: 3 type of shapes (1901, 1903, 1906)
- inside shape: **Classic**
- frame profile: 140 mm
- 12 varnish colours and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- tilt and turn fittings
- standard anti-burglar catch
- air vents, mounted in the frame of the sash or between top of the glass and the frame

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER
the warmest natural construction material

2 GLAZING UNITS

- option to use glazing units from $U_g=1.0 \text{ W/m}^2\text{K}$
- option to use **Swisspacer Advance and Ultimate**





System Holland

| wooden window |

Profile thickness: 114–140 mm

Insulating glass pane

Climaplus XN – $U_g = 1.1 \text{ W/m}^2\text{K}$

Climaplus ONE – $U_g = 1.0 \text{ W/m}^2\text{K}$

System Holland

| wooden window |

Profile thickness: 114–140 mm

Insulating glass pane

Climaplus XN – $U_g = 1.1 \text{ W/m}^2\text{K}$

Climaplus ONE – $U_g = 1.0 \text{ W/m}^2\text{K}$



pattern 19-01



pattern 19-04



pattern 19-06



Wooden & wooden-aluminium windows

Design Line

Viktoria IPA

DESIGN

- typical design in **UK or Skandynavian** market
- outside: **wood or aluminium frame**
- inside shape: **Classic**
- sash profile thickness: 68 mm
- frame profile: 92 mm
- 12 varnish colours and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner / Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG / Teknos / Anker** varnishes which are harmless to health

FUNCTIONALITY

- open to outside: **IPA system**
- air vents, mounted in the frame of the sash or between top of the glass and the frame

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER

– **Viktoria Softline** profile (88 mm), **Olga Softline** profile (68 mm)

- the warmest natural construction material

3 GLAZING UNITS

- option to use glazing units from $U_g = 0.4 \text{ W/m}^2\text{K}$
($U_g = 1.0 \text{ W/m}^2\text{K}$ for double glaze and
 $U_g = 0.5 \text{ W/m}^2\text{K}$ for triple glaze in Alu clad)
- option to use **Swisspacer Advance and Ultimate**





System Viktoria IPA

| Wooden- window |

Profile thickness: 68 mm

Insulating glass pane

Climaplus XN – $U_g = 1.1 \text{ W/m}^2\text{K}$

Climaplus ONE – $U_g = 1.0 \text{ W/m}^2\text{K}$

System Viktoria IPA

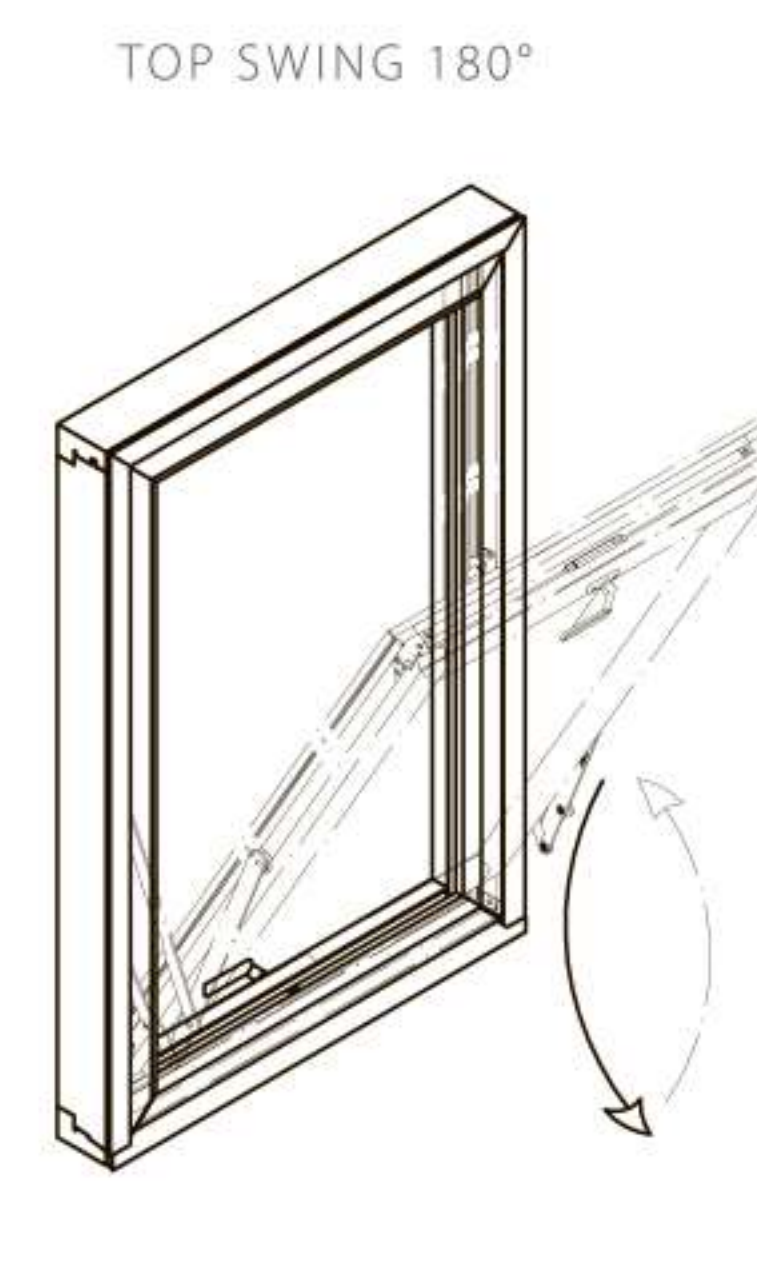
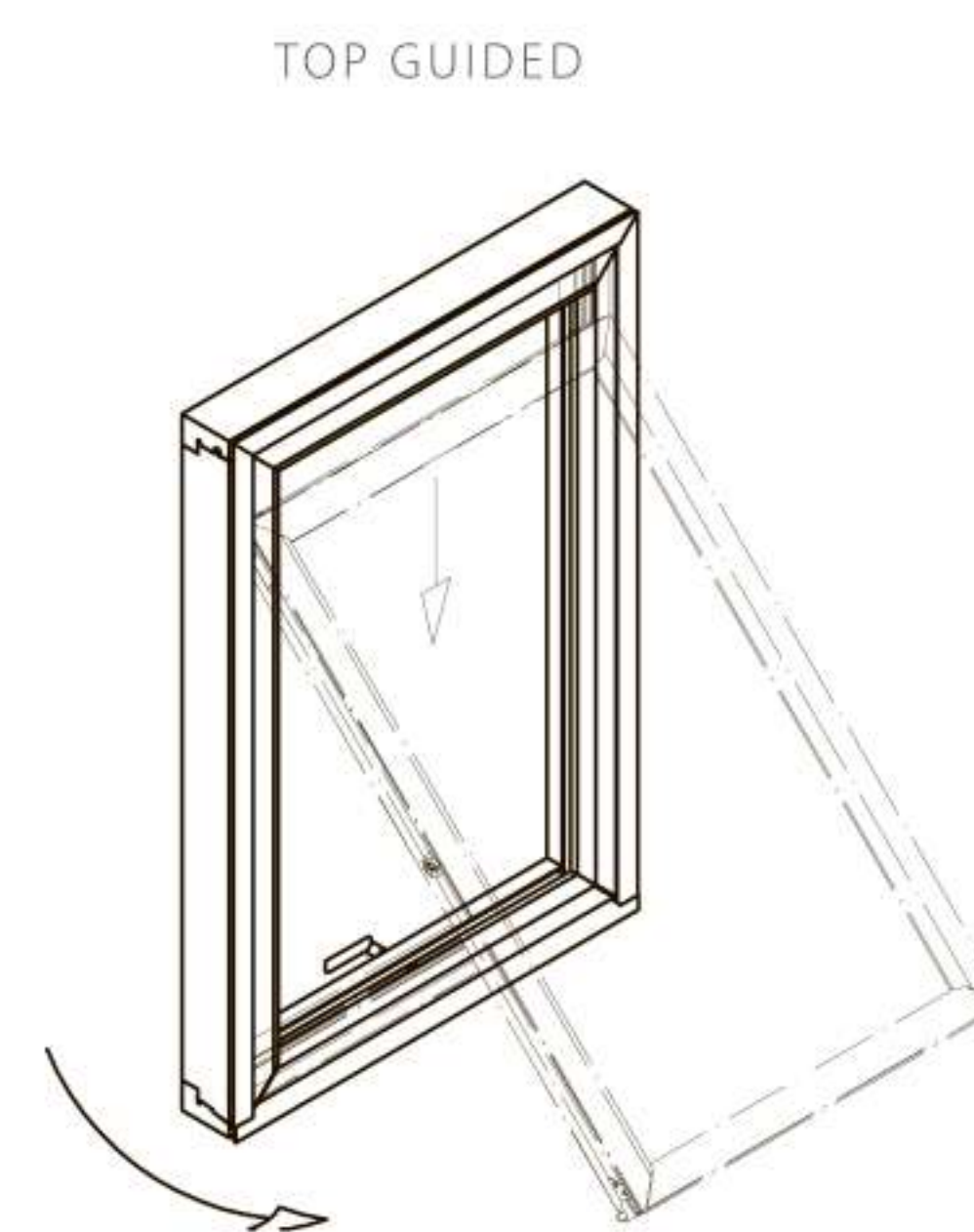
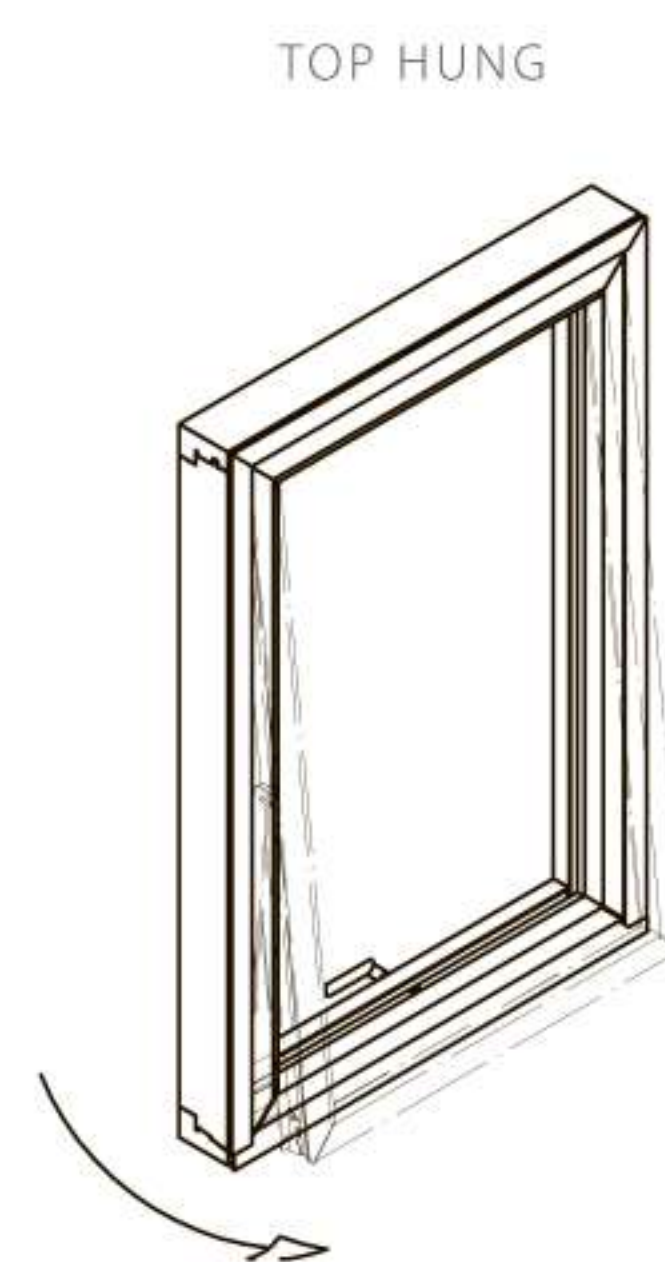
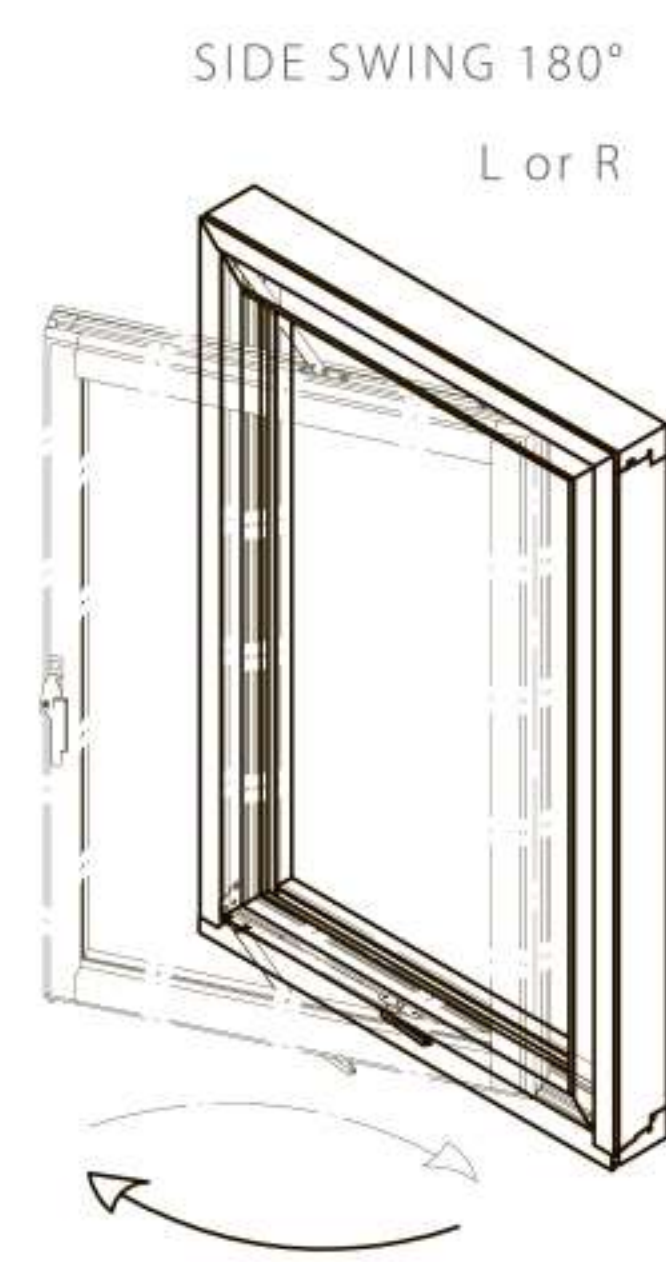
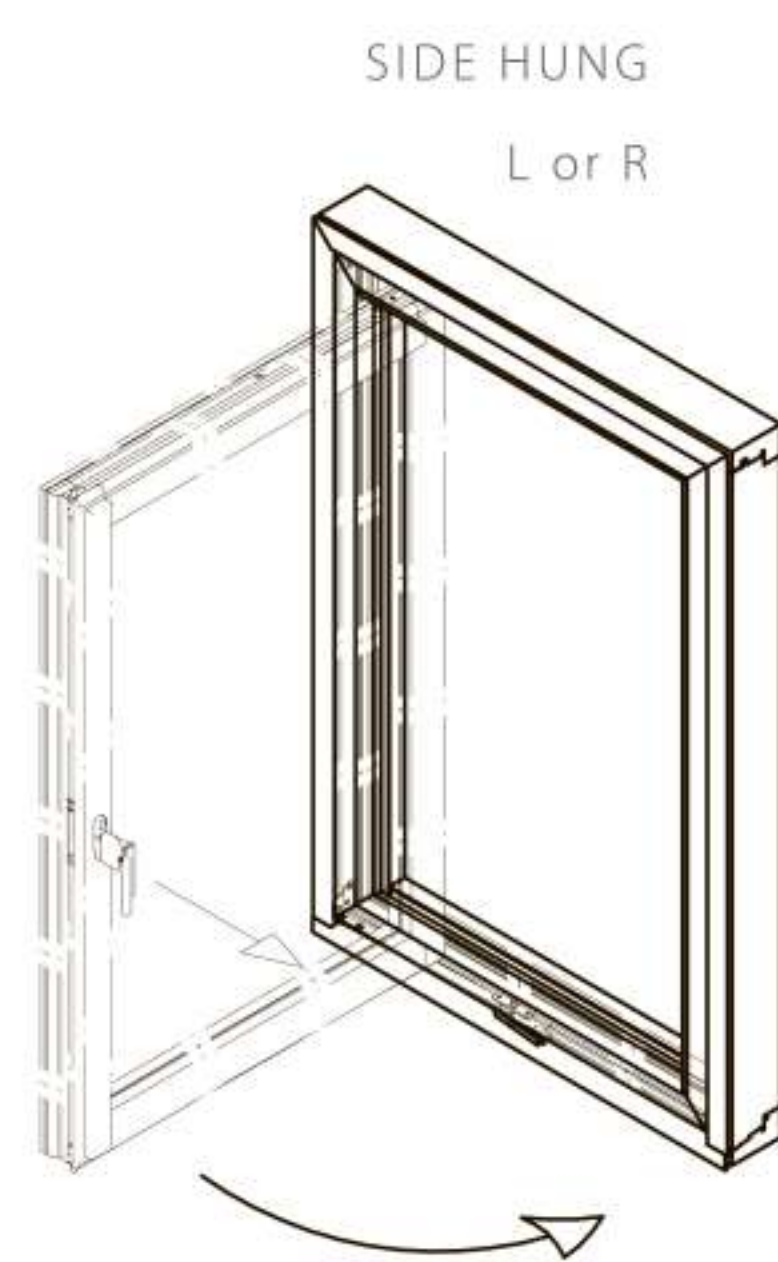
| Wooden-aluminium window |

Profile thickness: 68 mm

Insulating glass pane

Climaplus XN – $U_g = 1.1 \text{ W/m}^2\text{K}$

Climaplus ONE – $U_g = 1.0 \text{ W/m}^2\text{K}$





Wooden windows

Design Line

O-Olga

DESIGN

- the design based on the **Dutch** windows is a combination of the upper wing (fixed) and lower part which imitates the vertical sliding sash
- inside shape: **Classic**
- sash profile: 68 mm
- frame profile: 140 mm
- 12 varnish colours and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- the lower sash: tilt and turn function
- standard anti-burglar catch
- the tilt and turn function ensures perfect tightness of the construction

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER
the warmest natural construction material

2 GLAZING UNITS

- option to use glazing units from $U_g=1.0 \text{ W/m}^2\text{K}$
- option to use **Swisspacer Advance and Ultimate**





System O-Olga

| wooden window |

Profile thickness: 114–140 mm

Insulating glass pane

Climaplust XN – $U_g = 1.1 \text{ W/m}^2\text{K}$

Climaplust ONE – $U_g = 1.0 \text{ W/m}^2\text{K}$



Wooden windows

Design Line

Olga

DESIGN

- typical construction used in **England, Ireland and USA**
- inside shape: **Classic**
- additional decorative elements, matched mullions, allow the construction to be further customized to the specific market
- sash profile: 58 mm
- frame profile: 162 mm

TECHNOLOGY

WOOD

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- verified and controlled sources of timber supply

VARNISHING

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FUNCTIONALITY

- both springs or counterweight hardware system can be implemented

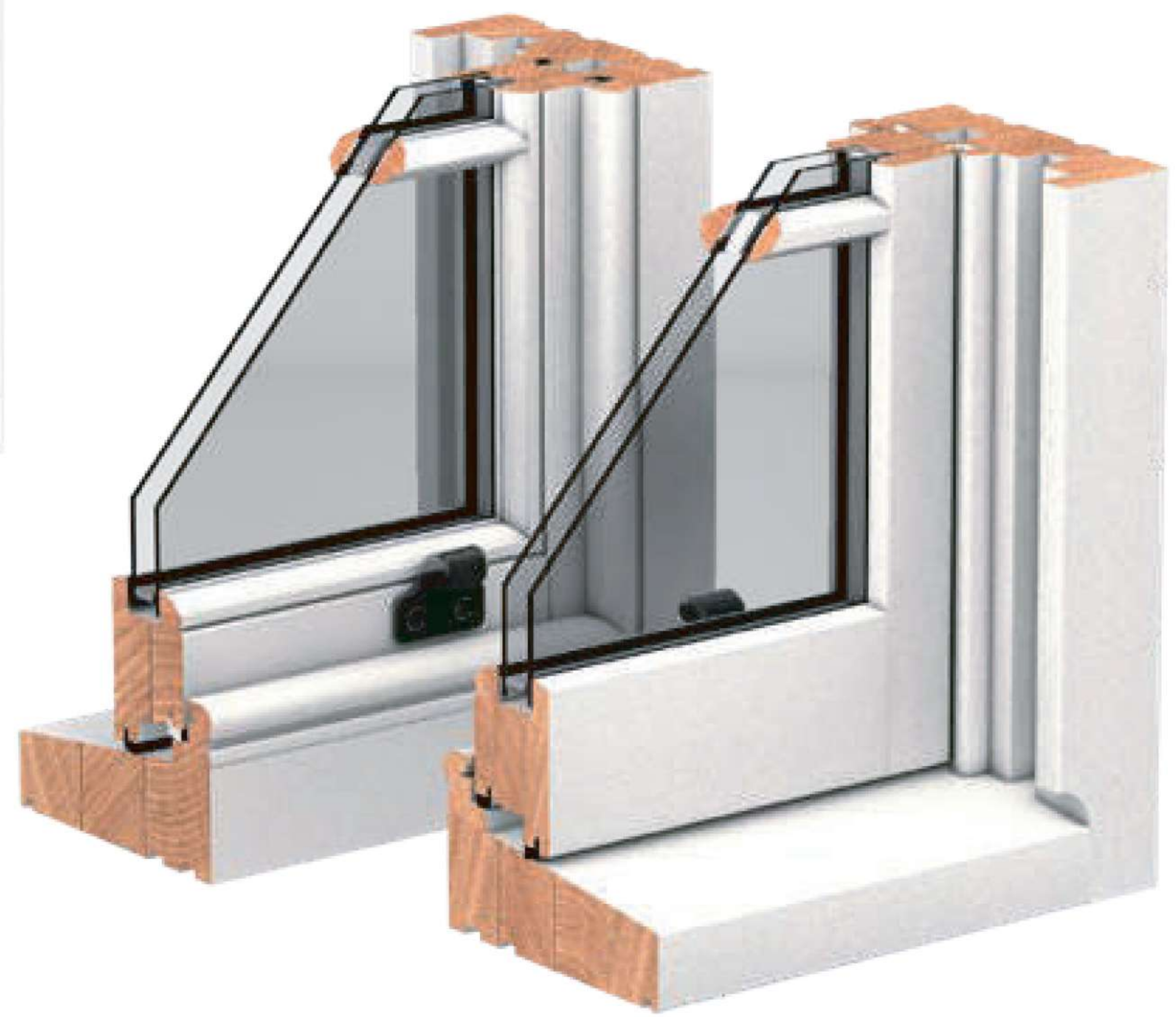
ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER
the warmest natural construction material

2 GLAZING UNITS

- option to use glazing units from $U_g=1.0 \text{ W/m}^2\text{K}$
- option to use **Swisspacer Advance and Ultimate**





System Olga
| wooden window |
Profile thickness: 162 mm
Insulating glass pane
Climaplus XN – $U_g = 1.1 \text{ W/m}^2\text{K}$
Climaplus ONE – $U_g = 1.0 \text{ W/m}^2\text{K}$



Wooden windows

Design Line

Modern

DESIGN

- **Modern** line with a minimum edge roundness radius (2 mm)
- dedicated for modern buildings
- unique snap-on glazing bead creates a precise connection with the window frame in one plane
- 12 varnish colours and all RAL colours available

TECHNOLOGY

WOOD

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- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
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- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- tilt-turn fittings with multi-point locking system in each opening light
- standard anti-burglar catch

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER

– **Viktoria Modern** profile (92, 88, 78 mm), **Olga Modern** profile (68 mm)

- the warmest natural construction material

GLAZING UNIT

- **Viktoria Modern** profile – 3 insulated glass units
- **Olga Modern** profile – 2 insulated glass units
- **Swisspacer Advance** "warm edge" technology (Standard in Viktoria)
- option to use **Swisspacer Ultimate**





NEW

Viktoria Modern

| wooden window |

Profile thickness: 92 mm

New improved Thermo-drip
Insulating glass pane**Climatop XN** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Climatop ONE** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Climatop ECLAZ** – $U_g = 0,5 \text{ W/m}^2\text{K}$ 

Viktoria Modern

| wooden window |

Profile thickness: 88 mm

New improved Thermo-drip
Insulating glass pane**Climatop XN** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Climatop ONE** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Climatop ECLAZ** – $U_g = 0,5 \text{ W/m}^2\text{K}$ 

NEW

Viktoria Modern

| wooden window |

Profile thickness: 78 mm

New improved Thermo-drip
Insulating glass pane**Climatop XN** – $U_g = 0,7 \text{ W/m}^2\text{K}$ **Climatop ONE** – $U_g = 0,6 \text{ W/m}^2\text{K}$ 

Olga Modern

| wooden window |

Profile thickness: 68 mm

Insulating glass pane

Climaplust XN – $U_g = 1,1 \text{ W/m}^2\text{K}$ **Climaplust ONE** – $U_g = 1,0 \text{ W/m}^2\text{K}$



Wooden windows

Design Line

Classic

DESIGN

- **Classic** line – moderate edge roundness radius (4 mm)
- perfect choice for traditional buildings with elements of modern style
- unique snap-on glazing bead creates a precise connection with the window frame
- 12 varnish colours and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- tilt-turn fittings with multi-point locking system in each opening light
- standard anti-burglar catch

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER

– **Viktoria Classic** profile (92, 88, 78 mm), **Olga Classic** profile (68 mm)

- the warmest natural construction material

GLAZING UNIT

- **Viktoria Classic** profile – 3 insulating glass units
- **Olga Classic** profile – 2 insulating glass units
- **Swisspacer Advance** "warm edge" technology (Standard in Viktoria)
- option to use **Swisspacer Ultimate**





NEW

Viktoria Classic

| wooden window |

Profile thickness: 92 mm

New improved Thermo-drip
Insulating glass pane**Climatop XN** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Climatop ONE** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Climatop ECLAZ** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Viktoria Classic**

| wooden window |

Profile thickness: 88 mm

New improved Thermo-drip
Insulating glass pane**Climatop XN** – $U_g = 0,6 \text{ W/m}^2\text{K}$ **Climatop ONE** – $U_g = 0,5 \text{ W/m}^2\text{K}$ **Climatop ECLAZ** – $U_g = 0,6 \text{ W/m}^2\text{K}$ 

NEW

Viktoria Classic

| wooden window |

Profile thickness: 78 mm

New improved Thermo-drip
Insulating glass pane**Climatop XN** – $U_g = 0,7 \text{ W/m}^2\text{K}$ **Climatop ONE** – $U_g = 0,6 \text{ W/m}^2\text{K}$ **Olga Classic**

| wooden window |

Profile thickness: 68 mm

Insulating glass pane

Climaplust XN – $U_g = 1,1 \text{ W/m}^2\text{K}$ **Climaplust ONE** – $U_g = 1,0 \text{ W/m}^2\text{K}$



Wooden windows

Design Line

Softline

DESIGN

- **Softline** line – large edge roundness radius (10 mm)
- dedicated for traditional buildings
- unique snap-on glazing bead creates a precise connection with the window frame, giving it softly rounded shapes
- 12 varnish colours and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- **Viktoria Softline** profile (88 mm) features greater window pane surface area and increased access to daylight compared with a 68 mm window
- tilt-turn fittings with multi-point locking system in each opening light
- standard anti-burglar catch

ENERGY EFFICIENCY

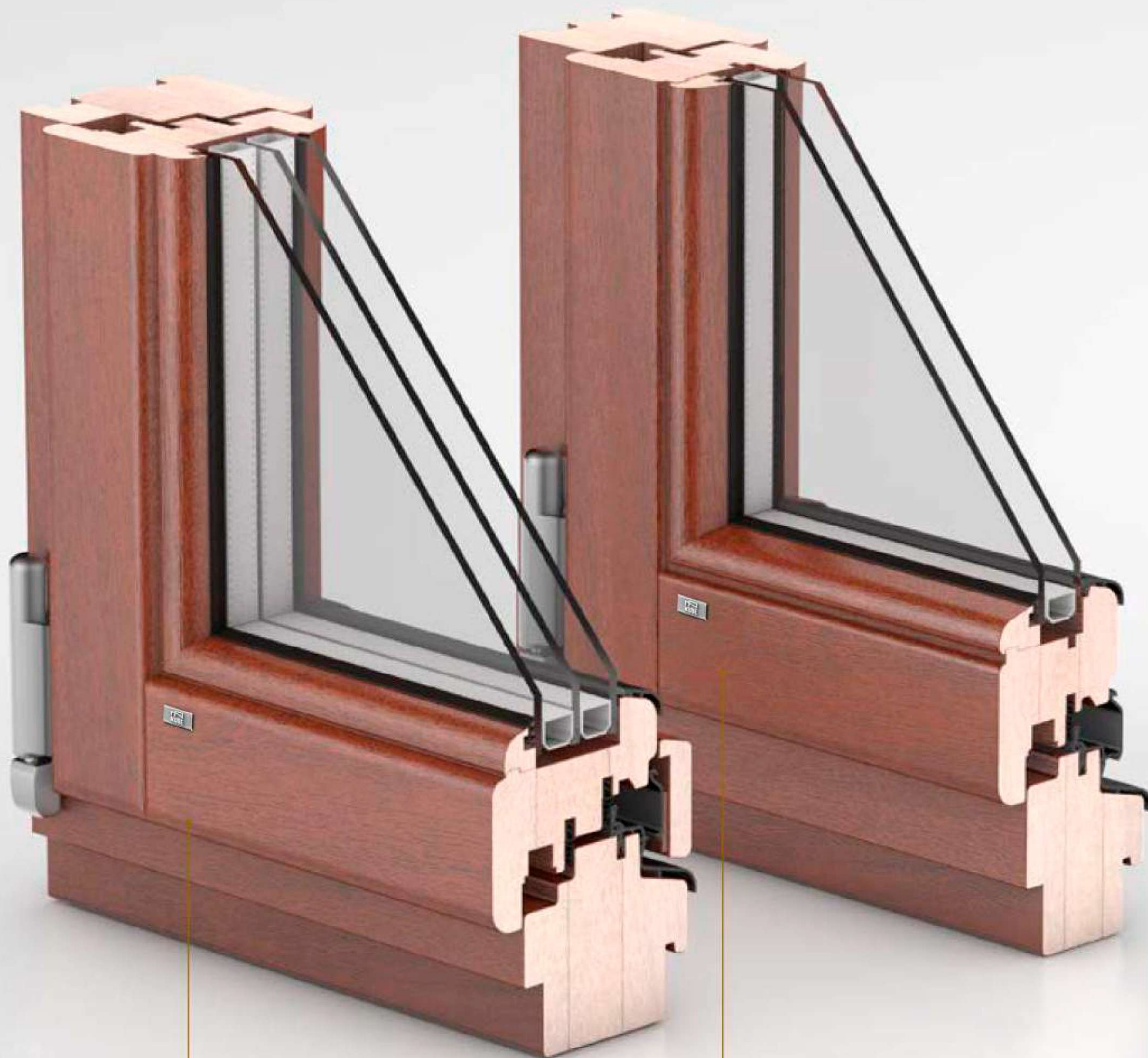
MULTIPLE LAYER GLUED-LAMINATED TIMBER

- **Viktoria Softline** profile (88 mm), **Olga Softline** profile (68 mm)
- the warmest natural construction material

GLAZING UNIT

- **Viktoria Softline** profile – 3 insulating glass units
- **Olga Softline** profile – 2 insulating glass units
- **Swisspacer Advance** "warm edge" technology (Standard in Viktoria)
- option to use **Swisspacer Ultimate**





Viktoria Softline

| wooden window |

Profile thickness: 88 mm

Insulating glass pane

Climatop XN – $U_g = 0.6 \text{ W/m}^2\text{K}$

Climatop ONE – $U_g = 0.5 \text{ W/m}^2\text{K}$

Climatop ONE Krypton – $U_g = 0.4 \text{ W/m}^2\text{K}$

Olga Softline

| wooden window |

Profile thickness: 68 mm

Insulating glass pane

Climaplust XN – $U_g = 1.1 \text{ W/m}^2\text{K}$

Climaplust ONE – $U_g = 1.0 \text{ W/m}^2\text{K}$



ASSEMBLY A



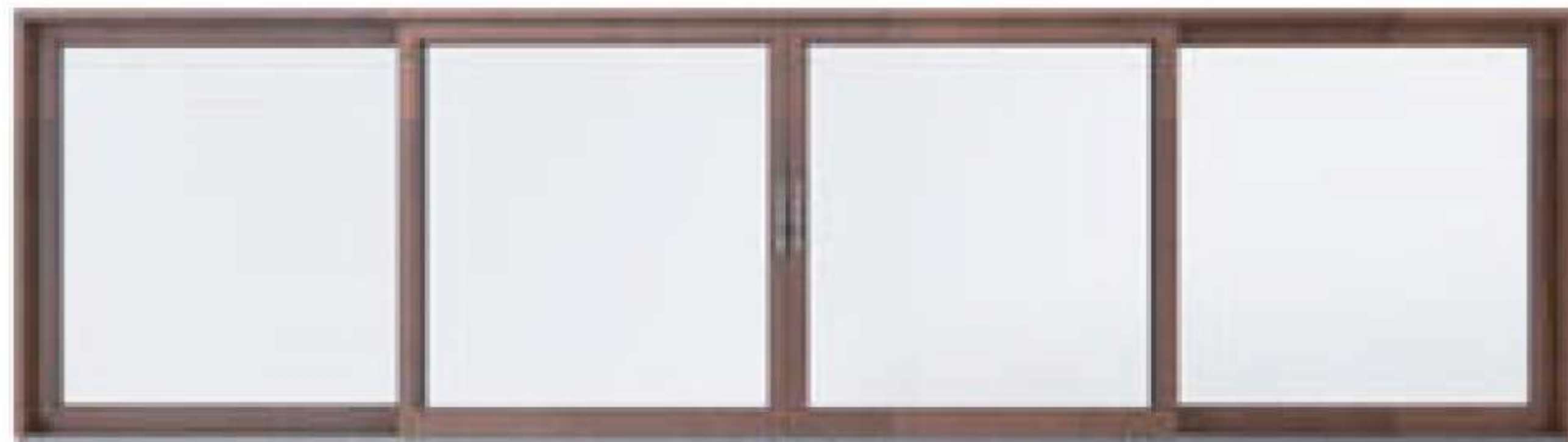
ASSEMBLY G



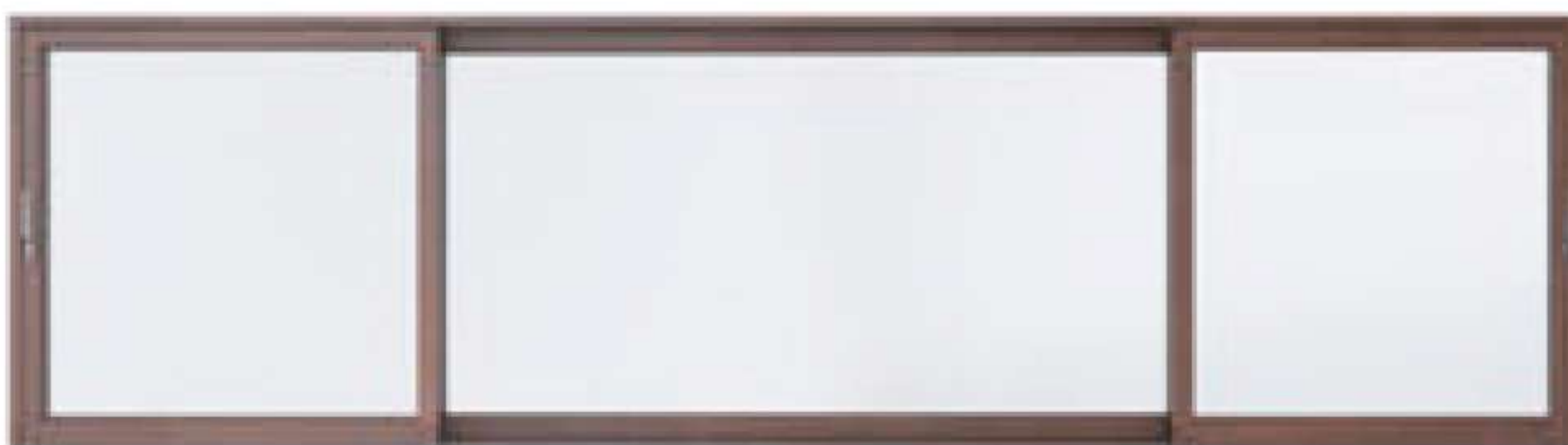


VIEW FROM THE INSIDE

ASSEMBLY C



ASSEMBLY K



Sliding terrace door system HS

DESIGN

- available options include constructing the door using any window profile of the Modern, Classic and Softline design lines
 - **Modern** – on the basis of the Viktoria Modern and Olga Modern window profiles
 - **Classic** – on the basis of the Viktoria Modern and Olga Modern window profiles
 - **Softline** – on the basis of the Viktoria Softline and Olga Softline window profiles
- 12 varnish colours and all RAL colours available
- lowered sliding profile of the threshold – only 10 mm above the floor level

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- option to order very large door sizes (door leaf weight of up to 400 kg)
- option to install automatic opening and closing systems

LIVING ROOM – large glazing which opens the space and low threshold in the sliding terrace door

ENERGY EFFICIENCY

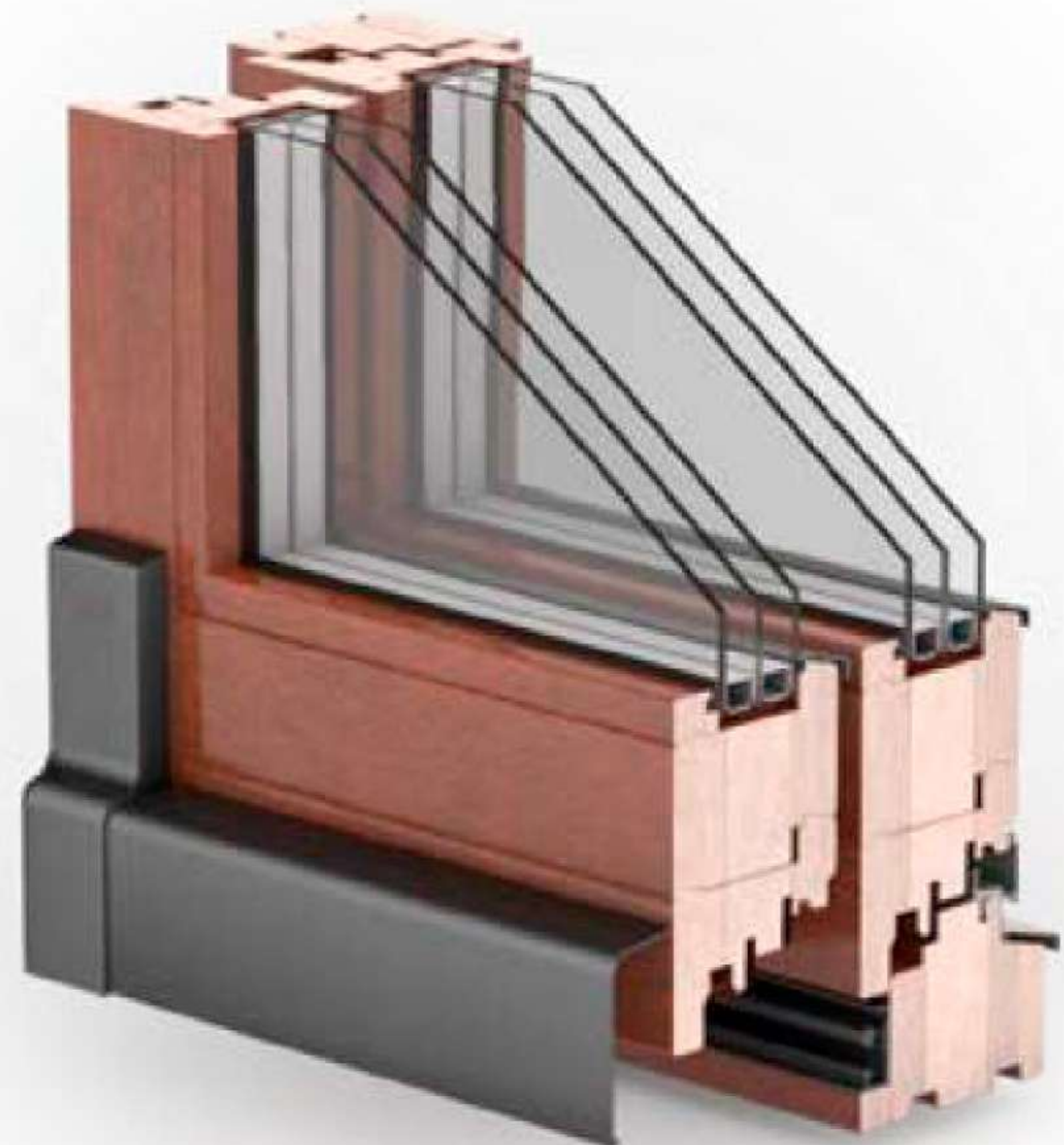
MULTIPLE LAYER GLUED-LAMINATED TIMBER

– **Viktoria** profile (92, 88, 78 mm), **Olga** profile (68 mm)

- the warmest natural construction material

2 OR 3 GLAZING UNITS (information in the window profile descriptions)

- option to use glazing units from $U_g = 0.4 \text{ W/m}^2\text{K}$
- **Swisspacer Advance** "warm edge" technology (Viktoria as standard)
- option to use **Swisspacer Ultimate**





VIEW FROM THE INSIDE
DOOR LEAF TILT ONLY IN THE VZ SYSTEM

Terrace door system **VZ / OZ**

DESIGN

- available options include constructing the door using any window profile of the Modern, Classic and Softline design lines
 - **Modern** – on the basis of the Viktoria Modern and Olga Modern window profiles
 - **Classic** – on the basis of the Viktoria Classic and Olga Classic window profiles
 - **Softline** – on the basis of the Viktoria Softline and Olga Softline window profiles
- 12 varnish colours and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- option to order very large door sizes (door leaf weight of up to 200 kg)
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- automatic system which assists in opening and closing (VZ)
- **door leaf tilt system (VZ only)**
- Galux profile features greater window pane surface area and increased access to daylight compared with a 68 mm window
- standard anti-burglar catch

LIVING ROOM – large glazing which opens the space

ENERGY EFFICIENCY

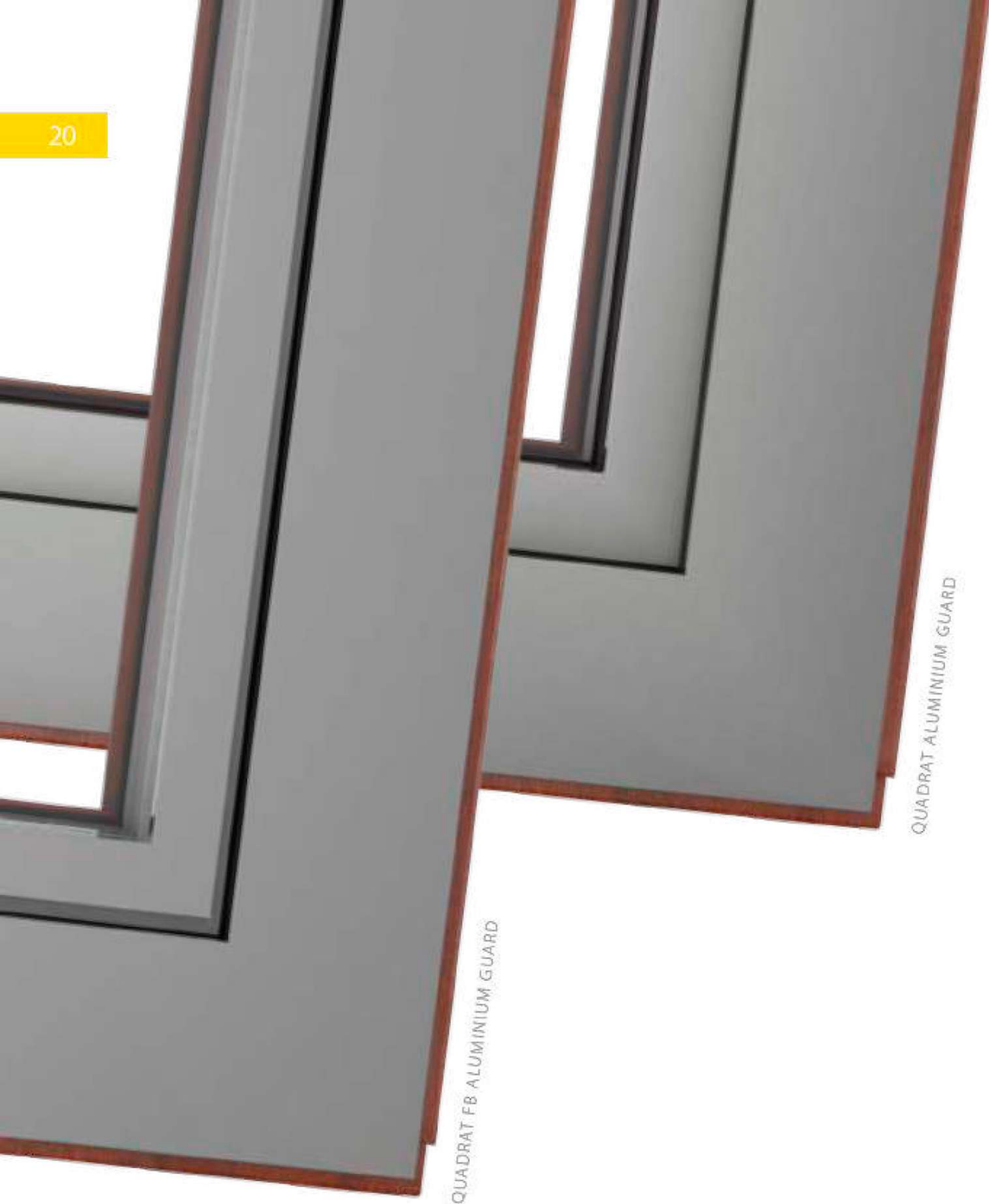
MULTIPLE LAYER GLUED-LAMINATED TIMBER

– **Viktoria** profile (92, 88, 78 mm), **Olga** profile (68 mm)

- the warmest natural construction material

2 OR 3 GLAZING UNITS (information in the window profile descriptions)

- option to use glazing units from $U_g=0.4 \text{ W/m}^2\text{K}$
- **Swisspacer Advance** "warm edge" technology (Viktoria as standard)
- option to use **Swisspacer Ultimate**



Wooden-aluminium windows

Design Line

Modern

DESIGN

- **Modern** line with a minimum edge roundness radius (2 mm)
- dedicated for modern buildings
- 12 varnish colours and all RAL colours available

DURABILITY AND AESTHETICS

- highly weather-resistant
- modern-shaped aluminium guards: **Quadrat** and **Quadrat FB**
- over 30 colours of aluminium and all RAL colours available

TECHNOLOGY

WOOD

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- verified and controlled sources of timber supply

VARNISHING

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- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- tilt-turn fittings with multi-point locking system in each opening light
- standard anti-burglar catch

ENERGY EFFICIENCY

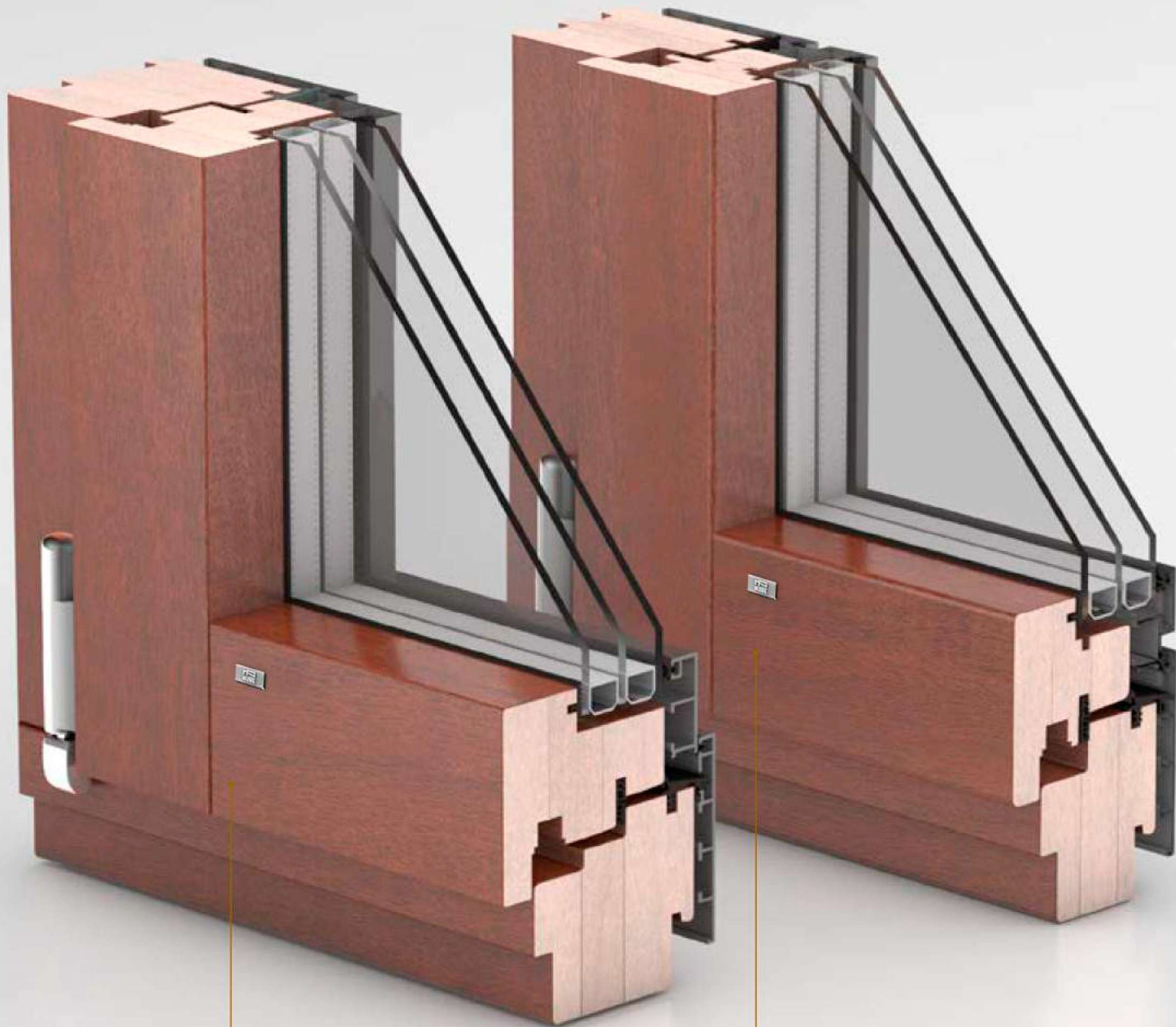
MULTIPLE LAYER GLUED-LAMINATED TIMBER

- **Viktoria Alu Modern** profile (88 mm), **Olga Alu Modern** profile (68 mm)
- the warmest natural construction material

3 GLAZING UNIT

- option to use glazing units from $U_g = 0.4 \text{ W/m}^2\text{K}$
($U_g = 0.6 \text{ W/m}^2\text{K}$ for Lexo and $U_g = 0.5 \text{ W/m}^2\text{K}$ for Viktoria as standard)
- **Swisspacer Advance** "warm edge" technology standard
- option to use **Swisspacer Ultimate**





Viktoria Alu Modern

| Wooden-aluminium window |

Profile thickness: 88 mm

Quadrat aluminium guard

Insulating glass pane

Climatop ONE – Ug = 0.5 W/m²K

Climatop ONE Krypton – Ug = 0.4 W/m²K

Olga Alu Modern

| Wooden-aluminium window |

Profile thickness: 68 mm

Quadrat FB aluminium guard

Insulating glass pane

Climatop XN – Ug = 0.6 W/m²K

Climatop ONE – Ug = 0.5 W/m²K

Climatop ONE Krypton – Ug = 0.4 W/m²K



Wooden-aluminium windows

Design Line

Classic

DESIGN

- **Viktoria Alu Classic** line – moderate edge roundness radius (4 mm)
- perfect choice for traditional buildings with elements of modern style
- 12 varnish colours and all RAL colours available

DURABILITY AND AESTHETICS

- highly weather-resistant
- aluminium guards: **Classic** and **Linear**
- over 30 colours of aluminium and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
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FUNCTIONALITY

- tilt-turn fittings with multi-point locking system in each opening light
- standard anti-burglar catch

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER

- **Viktoria Alu Classic** profile (88 mm), **Olga Alu Classic** profile (68 mm)
- the warmest natural construction material

3 GLAZING UNIT

- option to use glazing units from $U_g = 0.4 \text{ W/m}^2\text{K}$
($U_g = 0.6 \text{ W/m}^2\text{K}$ for Lexo and $U_g = 0.5 \text{ W/m}^2\text{K}$ for Viktoria as standard)
- **Swisspacer Advance** "warm edge" technology standard
- option to use **Swisspacer Ultimate**





Viktoria Alu Classic

| Wooden-aluminium window |

Profile thickness: 88 mm

Classic aluminium guard

Insulating glass pane

Climatop ONE – $U_g = 0.5 \text{ W/m}^2\text{K}$

Climatop ONE Krypton – $U_g = 0.4 \text{ W/m}^2\text{K}$

Olga Alu Classic

| Wooden-aluminium window |

Profile thickness: 68 mm

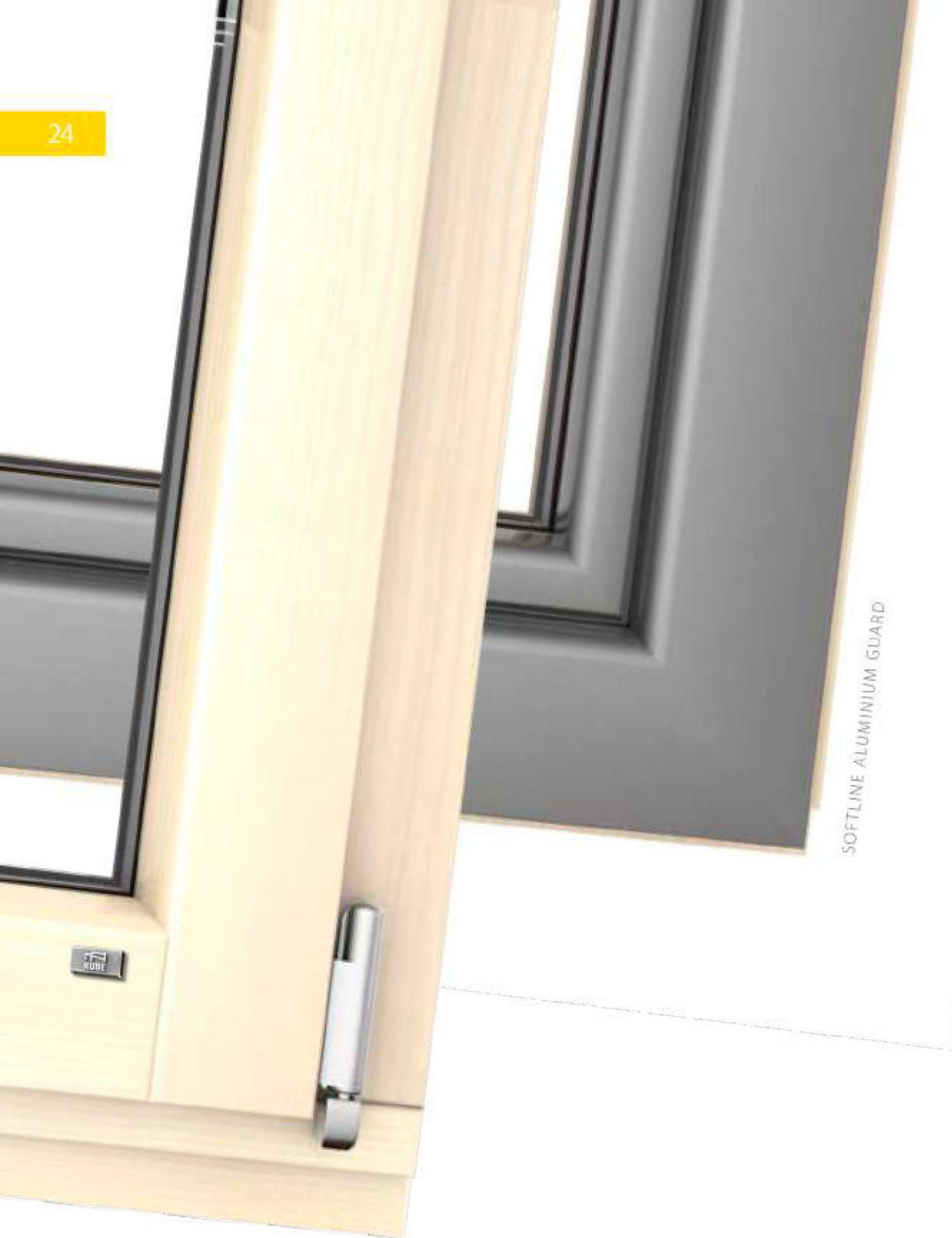
Linear aluminium guard

Insulating glass pane

Climatop XN – $U_g = 0.6 \text{ W/m}^2\text{K}$

Climatop ONE – $U_g = 0.5 \text{ W/m}^2\text{K}$

Climatop ONE Krypton – $U_g = 0.4 \text{ W/m}^2\text{K}$



Wooden-aluminium windows

Design Line

Softline

DESIGN

- **Softline** line – large edge roundness radius (10 mm)
- dedicated for traditional buildings
- 12 varnish colours and all RAL colours available

DURABILITY AND AESTHETICS

- highly weather-resistant
- soft-shaped aluminium guard: **Softline**
- over 30 colours of aluminium and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- tilt-turn fittings with multi-point locking system in each opening light
- standard anti-burglar catch

ENERGY EFFICIENCY

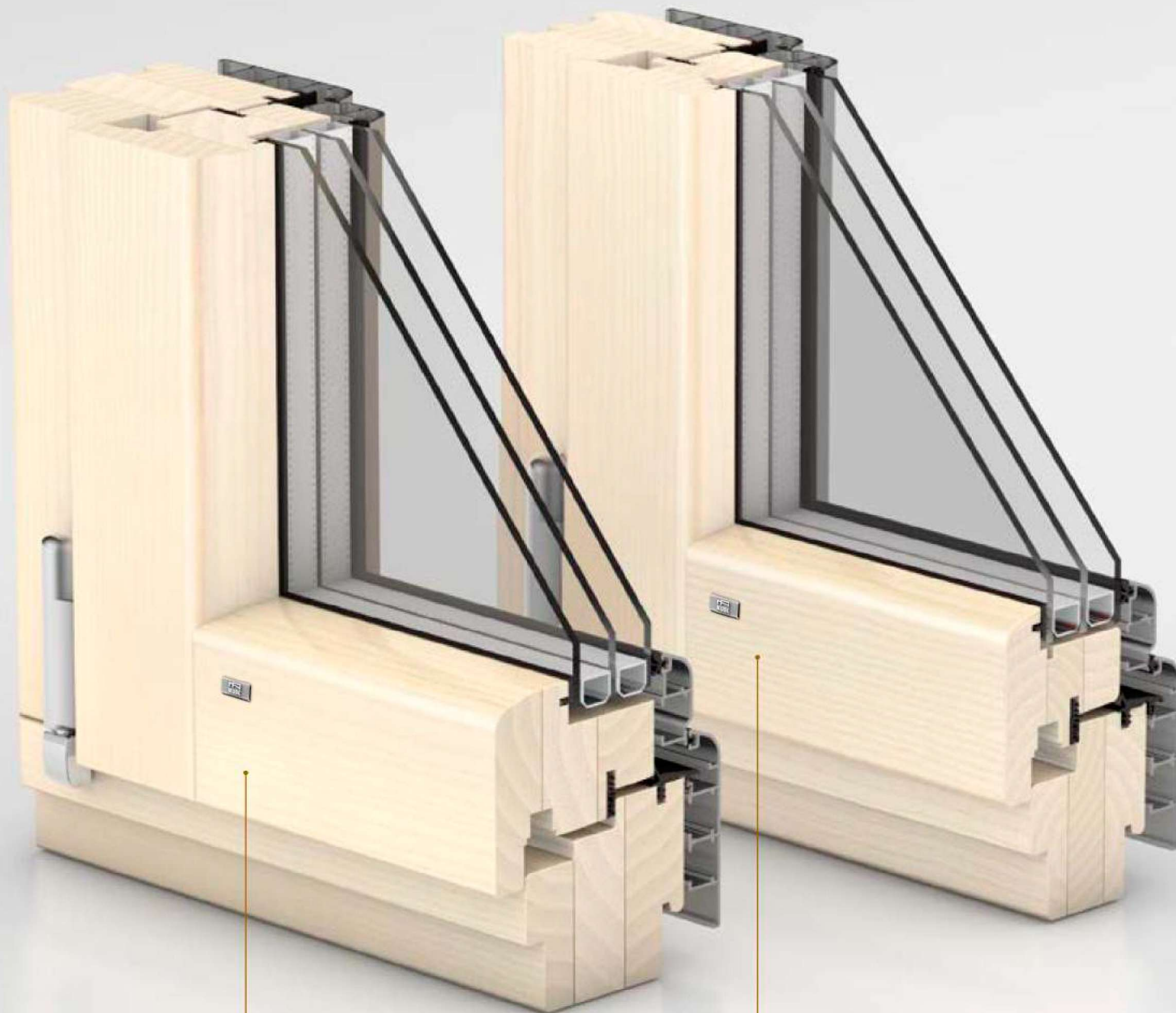
MULTIPLE LAYER GLUED-LAMINATED TIMBER

- **Viktoria Alu Softline** profile (88 mm), **Olga Alu Softline** profile (68 mm)
- the warmest natural construction material

3 GLAZING UNIT

- option to use glazing units from $U_g = 0.4 \text{ W/m}^2\text{K}$
($U_g = 0.6 \text{ W/m}^2\text{K}$ for Lexo and $U_g = 0.5 \text{ W/m}^2\text{K}$ for Viktoria as standard)
- **Swisspacer Advance** "warm edge" technology standard
- option to use **Swisspacer Ultimate**





Viktoria Alu Softline

| Wooden-aluminium window |

Profile thickness: 88 mm

Softline aluminium guard

Insulating glass pane

Climatop ONE – $U_g = 0.5 \text{ W/m}^2\text{K}$

Climatop ONE Krypton – $U_g = 0.4 \text{ W/m}^2\text{K}$

Olga Alu Softline

| Wooden-aluminium window |

Profile thickness: 68 mm

Softline aluminium guard

Insulating glass pane

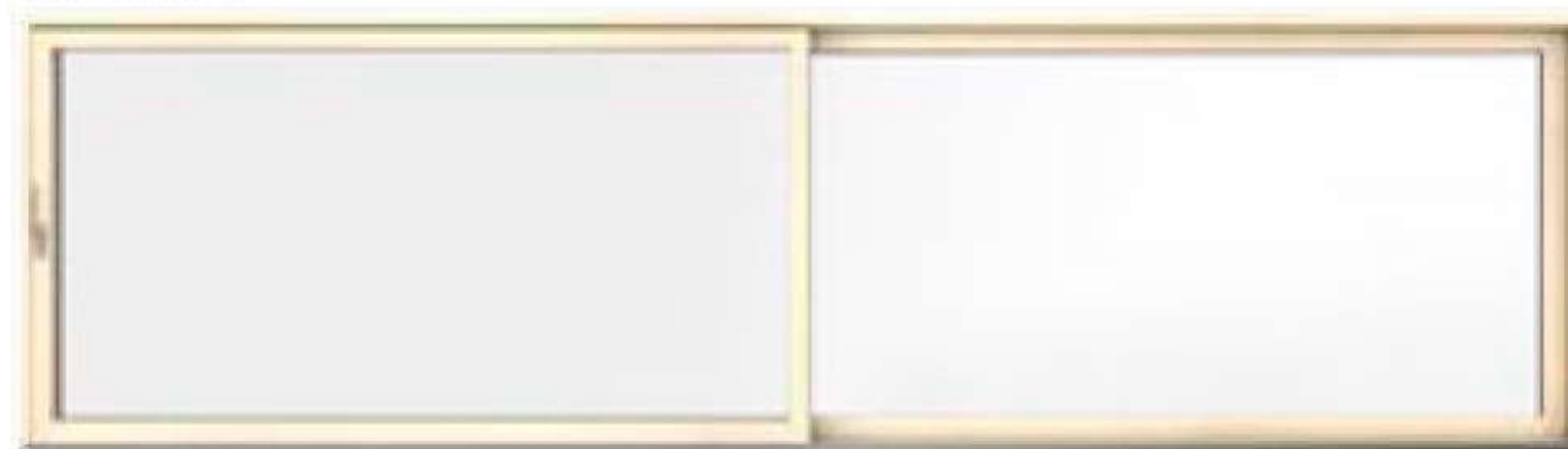
Climatop XN – $U_g = 0.6 \text{ W/m}^2\text{K}$

Climatop ONE – $U_g = 0.5 \text{ W/m}^2\text{K}$

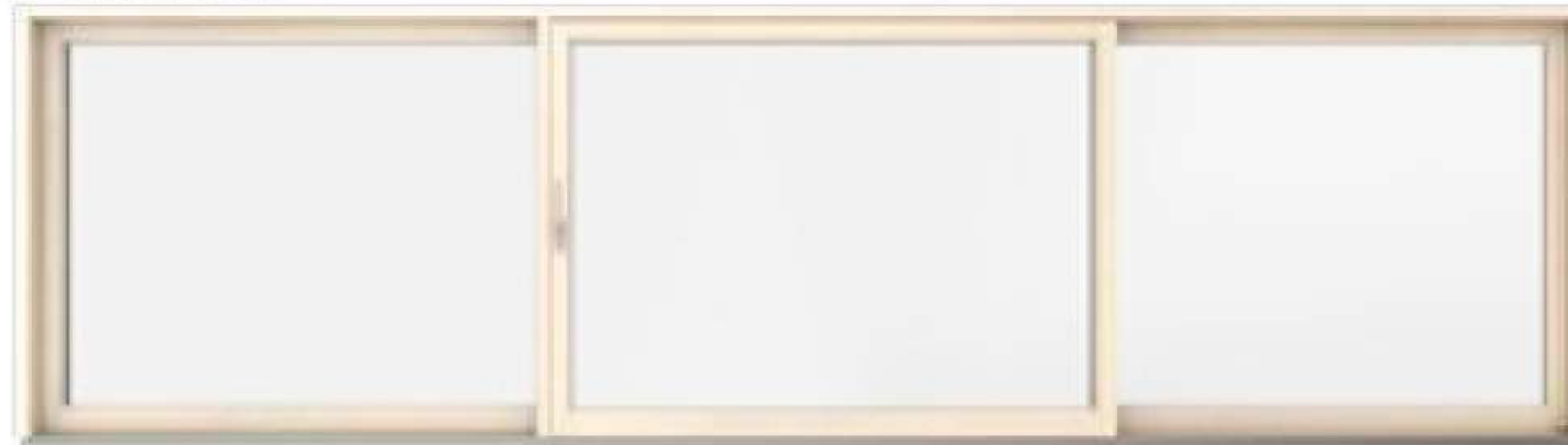
Climatop ONE Krypton – $U_g = 0.4 \text{ W/m}^2\text{K}$



ASSEMBLY A



ASSEMBLY G





VIEW FROM THE OUTSIDE

Sliding terrace door system

KS Alu

DESIGN

- available options include constructing the door using any window profile of the Modern, Classic and Softline design lines
 - **Modern** – on the basis of the Viktoria Alu Modern and Olga Alu Modern window profiles
 - **Classic** – on the basis of the Viktoria Alu Classic and Olga Alu Classic window profiles
 - **Softline** – on the basis of the Viktoria Alu Softline and Olga Alu Softline window profiles
- 12 varnish colours and all RAL colours available
- Quadrant, Quadrant FB, Linear, Classic and Softline aluminium guards available
- lowered sliding profile of the threshold – only 10 mm above the floor level
- glazing beads matching the design of profiles

DURABILITY AND AESTHETICS

- highly weather-resistant
- aluminium guards matching the design of wooden profiles (Quadrant, Quadrant FB, Linear, Classic, Softline)
- over 30 colours of aluminium and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- option to order very large door sizes (door leaf weight of up to 400 kg)
- option to install automatic opening and closing systems

LIVING ROOM – large glazing which opens the space and low threshold in the sliding terrace door

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER

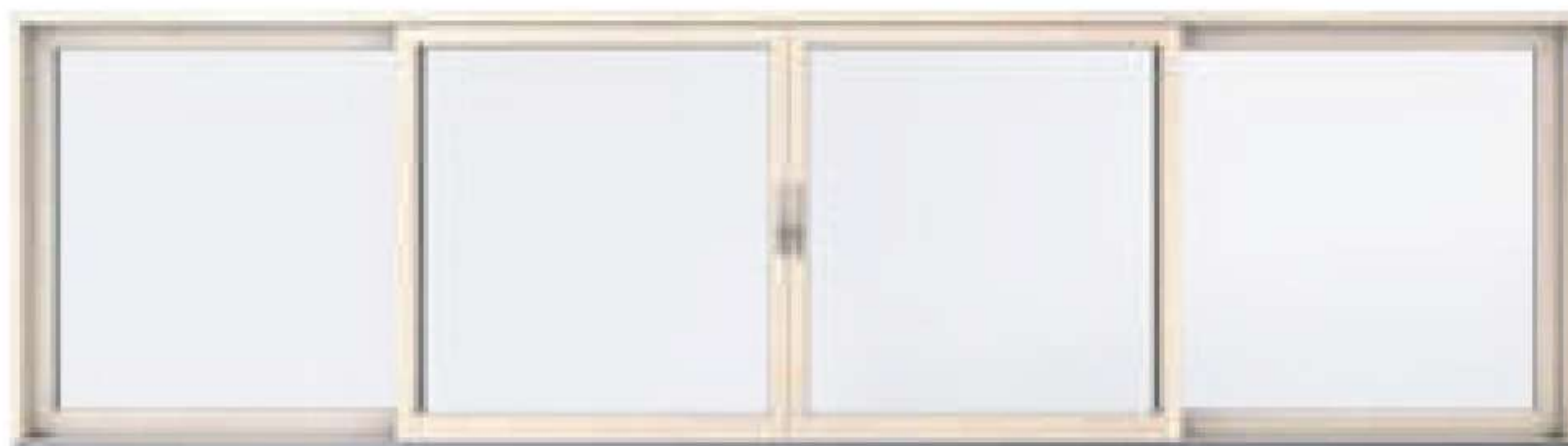
– **Viktoria** profile (88 mm), **Olga** profile (68 mm)

- the warmest natural construction material

3 GLAZING UNITS (information in the window profile descriptions)

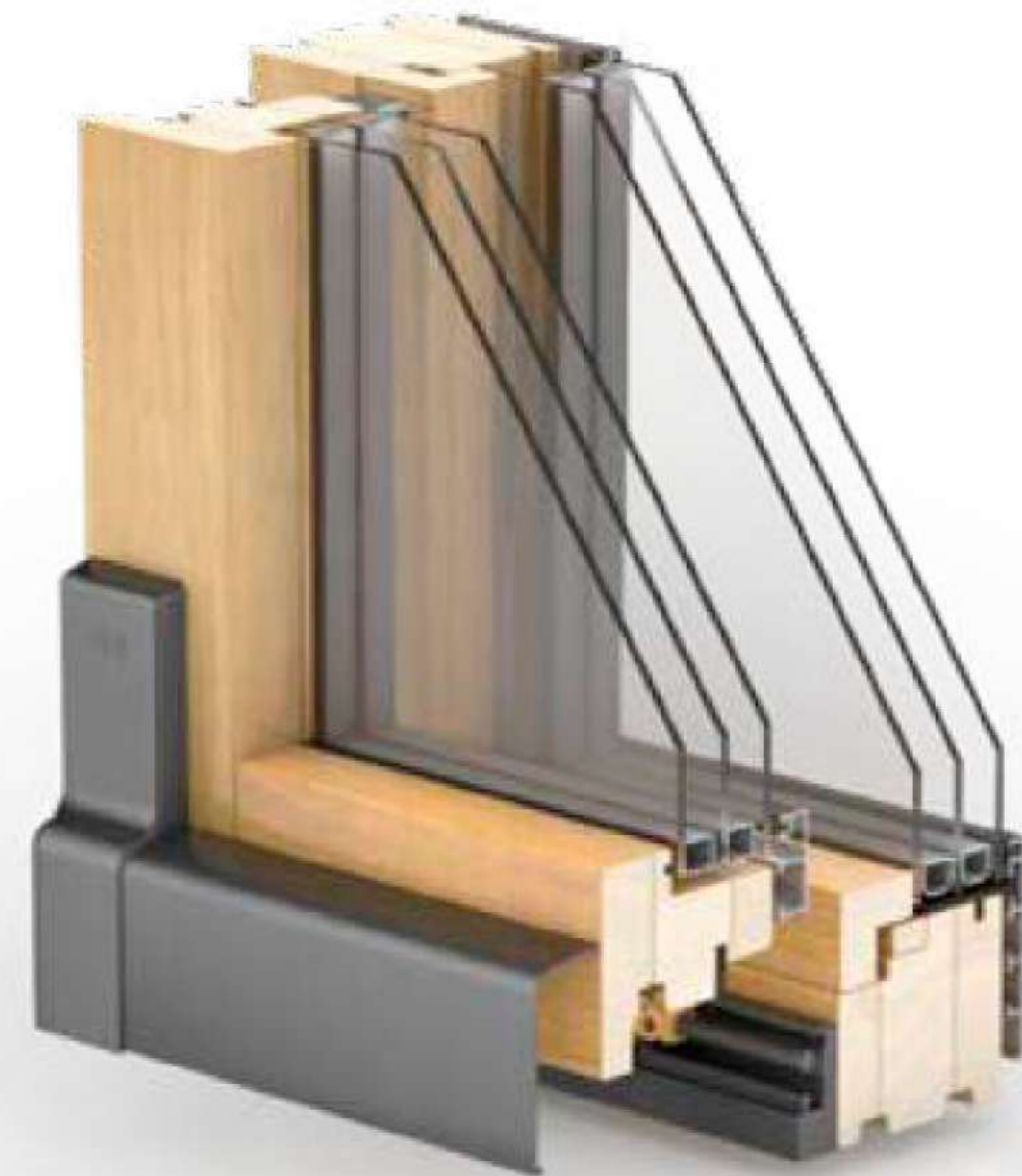
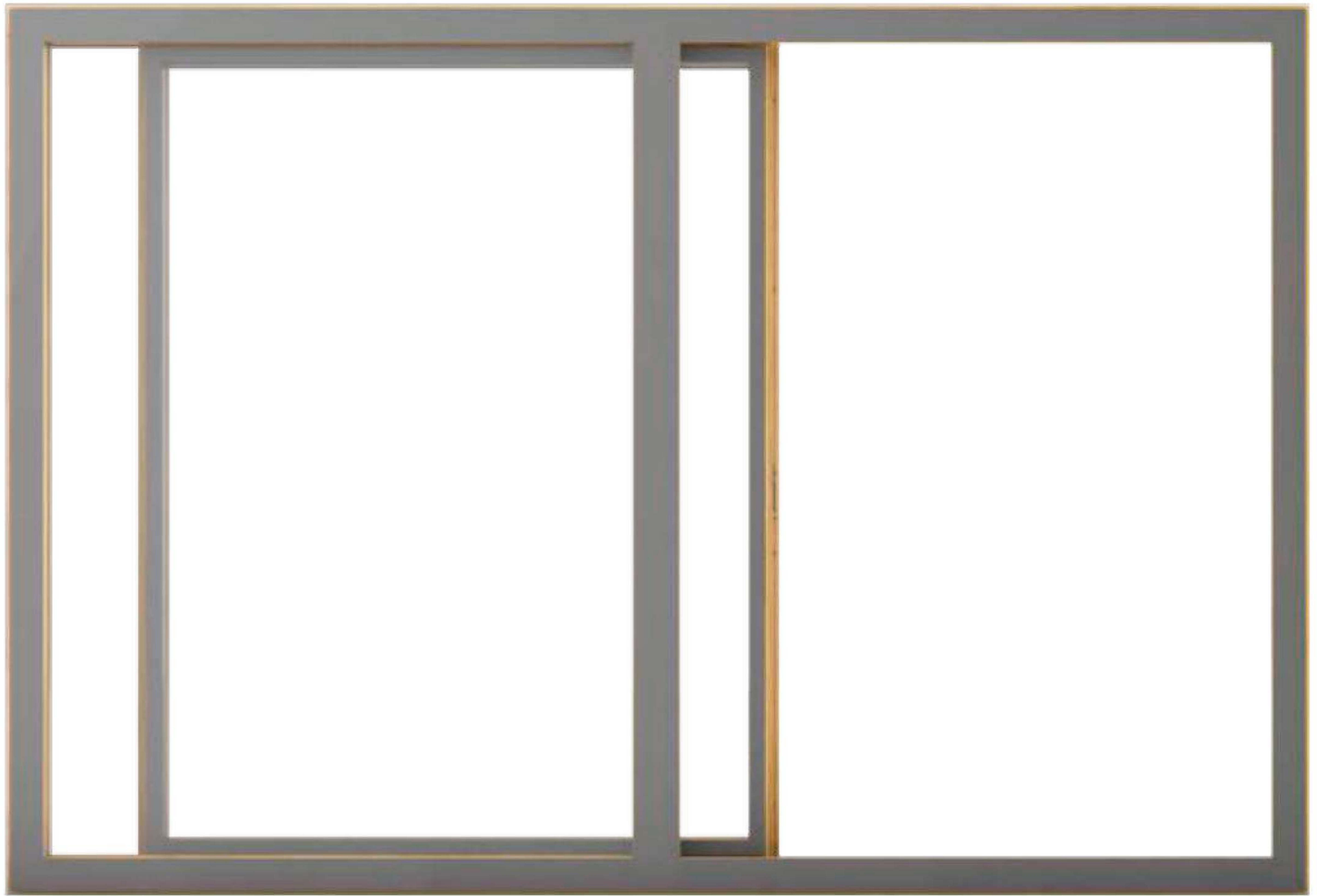
- option to use glazing units from $U_g=0.4 \text{ W/m}^2\text{K}$
- **Swisspacer Advance** "warm edge" technology standard
- option to use **Swisspacer Ultimate**

ASSEMBLY C



ASSEMBLY K





Sliding terrace door system

VZ Alu / OZ Alu



VIEW FROM THE OUTSIDE
DOOR LEAF TILT ONLY IN THE VZ ALU SYSTEM

DESIGN

- available options include constructing the door using any window profile of the Modern, Classic and Softline design lines
 - **Modern** – on the basis of the Viktoria Alu Modern and Olga Alu Modern window profiles
 - **Classic** – on the basis of the Viktoria Alu Classic and Olga Alu Classic window profiles
 - **Softline** – on the basis of the Viktoria Alu Softline and Olga Alu Softline window profiles
- 12 varnish colours and all RAL colours available
- Quadrant, Quadrant FB, Linear, Classic and Softline aluminium guards available
- glazing beads matching the design of profiles

DURABILITY AND AESTHETICS

- highly weather-resistant
- aluminium guards matching the design of wooden profiles (Quadrant, Quadrant FB, Linear, Classic, Softline)
- over 30 colours of aluminium and all RAL colours available

TECHNOLOGY

WOOD

- highest quality of construction elements in each layer controlled thanks to the production of our own square-sawn timber
- option to order very large door sizes (door leaf weight of up to 200 kg)
- basic woods: pine wood, oak wood, meranti
- exotic woods: "sapele" mahogany, iroko, teak, American walnut
- verified and controlled sources of timber supply

VARNISHING

- precisely repeatable quality of the varnish coating thanks to the automated varnishing lines made by **Wagner/Eisenmann**
- electrostatic technology ensuring even application of the varnish, even in the most inaccessible places of the structure
- water-soluble **PPG/Teknos/Anker** varnishes which are harmless to health

FUNCTIONALITY

- automatic system which assists in opening and closing (VZ)
- **door leaf tilt system (VZ only)**
- standard anti-burglar catch

LIVING ROOM – large glazing which opens the space

ENERGY EFFICIENCY

MULTIPLE LAYER GLUED-LAMINATED TIMBER

– **Viktoria** profile (88 mm), **Olga** profile (68 mm)

- the warmest natural construction material
- **3 GLAZING UNITS** (information in the window profile descriptions)
- option to use glazing units from $U_g = 0.4 \text{ W/m}^2\text{K}$
- **Swisspacer Advance** "warm edge" technology standard
- option to use **Swisspacer Ultimate**



THE EXTERIOR DOOR

VIKTORIA line

The exterior door is made using a profile with a width of

88 mm



The door has a frame and panel structure. The door leaf frame and the door frame are made from glued-laminated timber ("block" or 4-layer gluing).

The central part of the door leaf is a sandwich panel:

- in the case of solid door designs, it is a combination of water-resistant plywood and a heat-insulating insert
- in the case of glazed door designs, it is a combination of water-resistant plywood and a glazing unit (P4/16Ar/4 parsol brown ESG)

Innovative hinge system made by

SIMONSWERK type Baka Protect 3D.
BANDTECHNIK

comes as standard in the exterior door

Advantages of the applied Baka Protect 3D hinges:

- three-plane adjustment (side play, closing pressure, height)
- convenient adjustment without the need to take the door off its hinges
- high load capacity of 130 kg
- maintenance-free WF slide bearings technology (additional plastic sliding ring on the bearing ensures many years of optimum hinge operation)

GU strip lock, model MR 2

Advantages of the applied lock:

- 3-point locking
- two massive locks with a steel insert providing protection against cutting through
- sealed lock case – foreign bodies do not interfere with the operation
- optimum anti-corrosion protection thanks to the application of ferGU electroplated coating

Standard exterior door dimensions:

width	height
1060 mm	
1100 mm	2110 mm
1160 mm	

Custom-made doors may also be ordered, including custom dimensions and design in accordance with the Customer's specification.





Viktorija 001



Viktorija 017



Viktorija 301



Viktorija 315





Viktoria 039



Viktoria 131





Viktoria 421



Viktoria 406



Viktoria 422



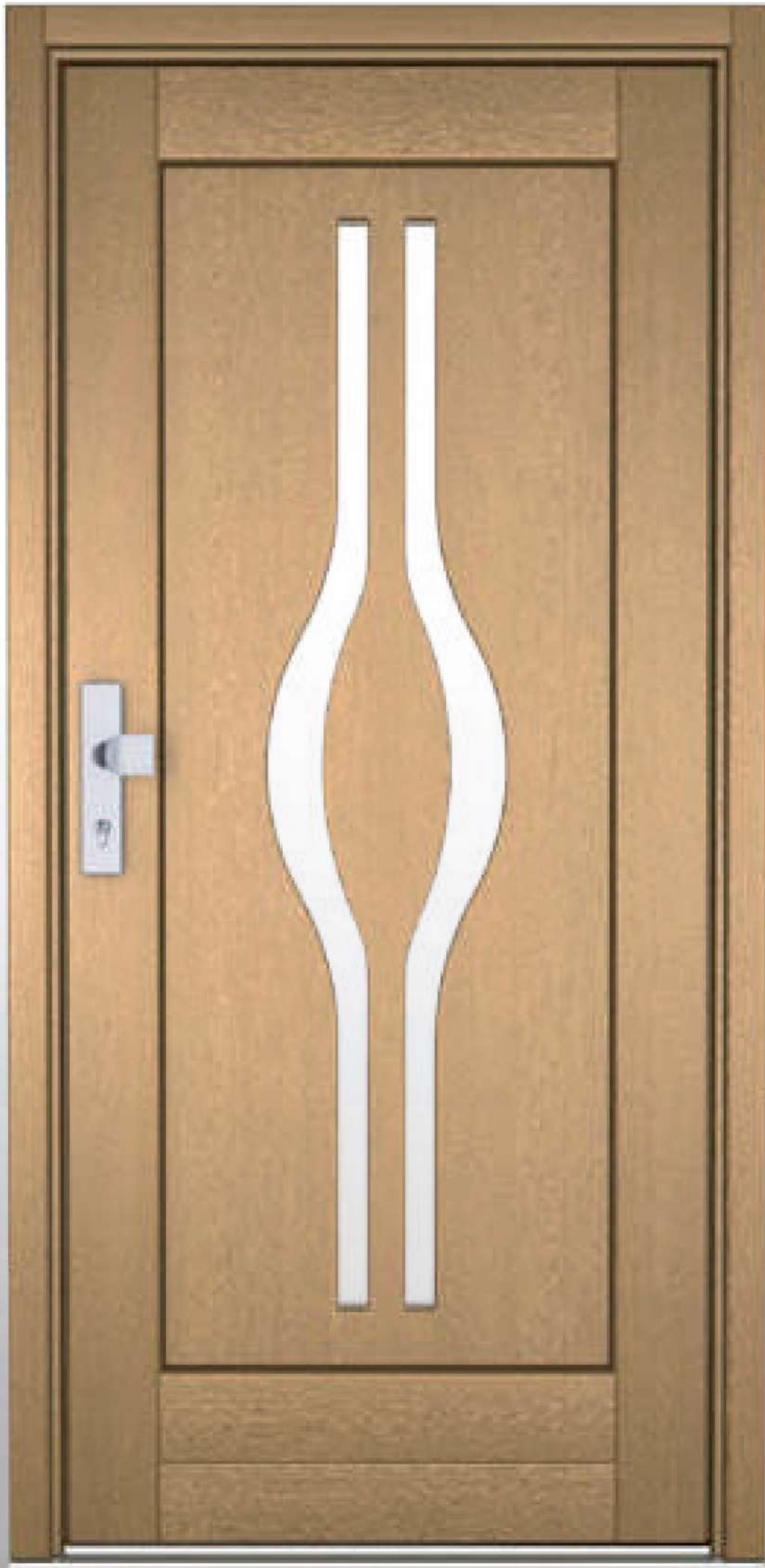
Viktoria 410



Viktorija 414



Viktorija 420



Viktorija 419



Viktorija 207





EXTERIOR PANEL DOOR

TREND line

The exterior door is made using a profile with a width of

88 mm



anti-burglar rebate

SIMONSWERK hinge, Baka 2D, 3 pieces
BANDTECHNIK

door frame made from glued-laminated timber

door leaf core structure made from glued-laminated timber, external layer made from water-resistant plywood and wood veneer (available colours – as per the colour chart)

thermal insulation made from extruded polystyrene foam

reinforcement with a steel profile

aluminium threshold

Standard equipment:
• strip lock made by **GU** model MR 2
• two seals

Optional equipment:
• steel, glass or wooden plinth blocks





Trend 500



Trend 505



Trend 530



Trend 530 INOX



Trend 535



Trend 535 INOX



Trend 531



Trend 531 INOX



Trend 501



Trend 501 INOX



Trend 502



Trend 502 INOX



Trend 511



Trend 511 INOX



Trend 524



Trend 524 INOX



Trend 525



Trend 525 INOX



Trend 526



Trend 526 INOX

OAK



D28

D29

D3

D24

D30

D1

D9

D31

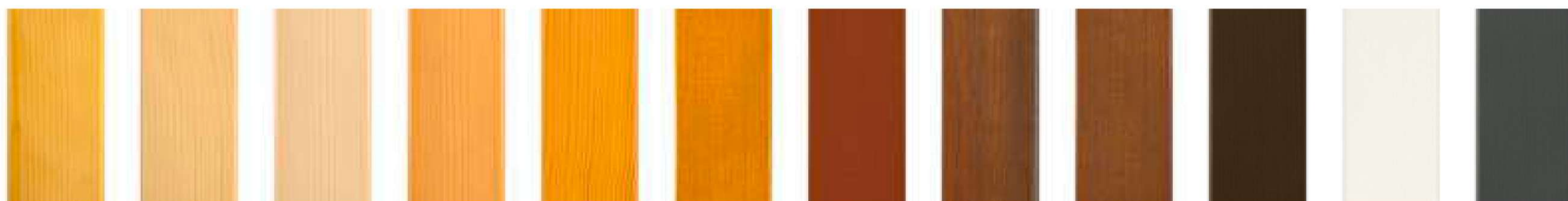
D27

D4

D8

RAL 7016

PINE



S16

S10

S11

S12

S1

S13

S14

S5

S15

S4

S8

RAL 7016

MERANTI



M30

M24

M29

M11

M15

M31

M32

M33

M27

M14

M18

RAL 7016

EXOTIC WOODS



TEAK

IROKO

SAPELI

AMERICAN
WALNUTBRUSHED
OAKBRUSHED
MERANTI

ACCOYA

WHITWASHED
OAK