



www.skyfens.pl



2024

ROOF WINDOWS - HATCHES - ROLLER SHUTTERS - AWNINGS - ACCESSORIES



## ABOUT US

Skyfens Sp. z o.o. is an important manufacturer of roof windows in Poland and a leading brand of Arbonia consortium – a Swiss company listed on the stock exchange in Zurich, employing more than 6000 people in 10 countries.

Skyfens manufactures roof windows of **SUPRO** brand and **Skylight** brand, which are based on the author's concept of PVC profile system and fitting system acknowledged by a patent clearance test and an application submitted at the European Patent Office. Our roof window manufacturing site was established in 2008 in Lublin and this city is still our seat.

150

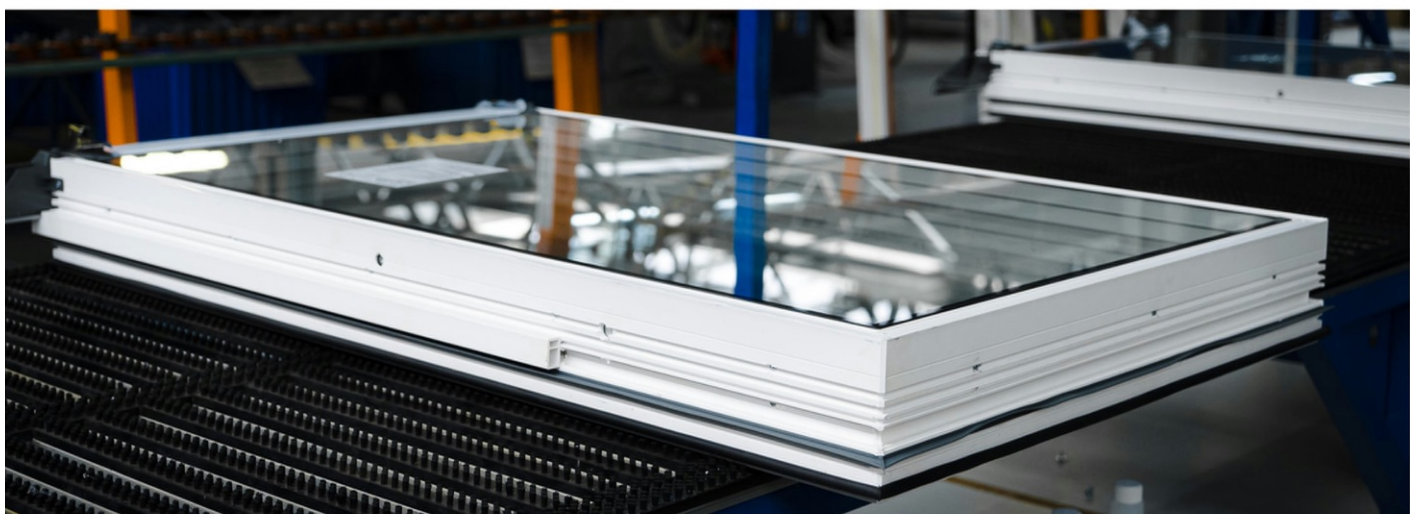
Productivity.  
There are up to 150  
windows manufactured  
daily.

We have been operating for over 15  
years on the roof window market.

15







## WHY SKYFENS ROOF WINDOWS ARE THE PERFECT CHOICE



### ENERGY EFFICIENCY:

- Energy-efficient 2 and 3-glazing package
- Pack of four special gaskets
- Warm frame



### QUALITY:

- Skyfens window made of UPVC, reinforced with steel cores
- Micro drains



### ERGONOMY:

- Raised pivot as standard
- Two micro tilt positions in the handle
- Gas cylinders

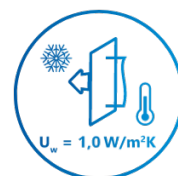
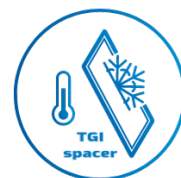


### SIMPLE INSTALLATION:

- Window installation in all types of roofing materials
- Use of special mounting brackets
- Specially designed hinges
- Easy installation of flashings







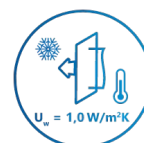
# Skyfens SUPROALU

SUPROAL aluminium roof windows represent an innovative approach to design and functionality, aimed at customers seeking premium products.

2







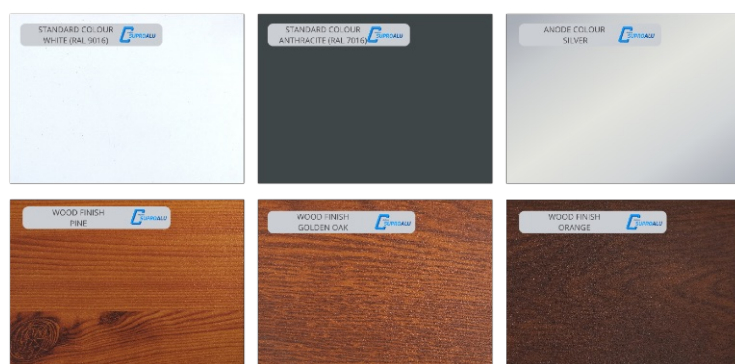
|                   |   |
|-------------------|---|
| Energy efficiency | <ul style="list-style-type: none"> <li>• 3-glazed package</li> <li>• rounded profile</li> <li>• <math>U_w = 1.0 \text{ W/m}^2\text{K}</math> parameter</li> </ul> |
| Material          | <ul style="list-style-type: none"> <li>• aluminium</li> </ul>   |
| Axis of rotation  | <ul style="list-style-type: none"> <li>• central (window 1/2)</li> </ul>  |
| Opening           | <ul style="list-style-type: none"> <li>• manual</li> </ul>  |
| Handle            | <ul style="list-style-type: none"> <li>• fitted at the bottom</li> <li>• one position for passive ventilation</li> </ul>  |

## Technical data:

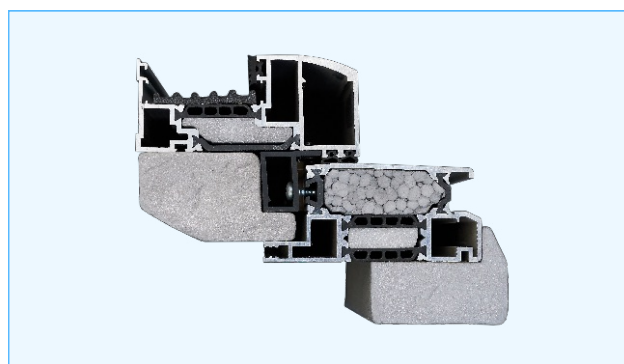
| Window U-value | Glazing U-value | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|----------------|-----------------|---------------------|------------------|-----------------------|----------------------|
| 1,0 W/m²K      | 0,7W/m²K        | 33 dB               | class 4          | class E1200           | , C5/B5              |

- Modern and lightweight construction of multi-chamber aluminium profiles with termite spacers, allowing for above-standard roof window surface dimensions.
- Glazing package with external toughened glass of 4 mm and internal thermal insulation glass.
- TGI warm frame to improve the thermal properties of the window.
- Insulation insert in the window frame and sash to provide continuous protection against heat loss.
- External frame insulation made of EPS material as standard.
- Excellent window tightness ensured by a system of four gaskets resistant to UV radiation and low temperatures.
- Central pivot.
- Can be fitted on roofs with pitches from 15 to 80 degrees.
- Special hinge design for quick and easy installation and free post-installation adjustment.
- Possibility of painting the aluminium profiles in the full range of RAL colours, anodised and colours imitating the structure of wood.
- Possibility of realisation of projects above standard sizes on individual orders.

## Window colours available:



## Frame cross-section:



## Standard dimensions of SUPROALU windows:

|         |         |          |         |          |          |         |          |          |          |          |          |          |          |           |           |           |           |
|---------|---------|----------|---------|----------|----------|---------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|-----------|-----------|
| 5/7     | 5/9     | 5/11     | 6/9     | 6/11     | 6/14     | 7/9     | 7/11     | 7/14     | 7/16     | 9/11     | 9/14     | 9/16     | 09/18    | 11/11     | 11/14     | 13/14     | 13/16     |
| 550x780 | 550x980 | 550x1180 | 660x980 | 660x1180 | 660x1400 | 780x980 | 780x1180 | 780x1400 | 780x1600 | 940x1180 | 940x1400 | 940x1600 | 940x1800 | 1140x1180 | 1140x1400 | 1340x1400 | 1340x1600 |

We offer the option of bespoke roof windows in any size between our smallest and largest standard model, ensuring a perfect fit for individual projects.

# Skyfens SUPRO Triple Termo

Skyfens SUPRO Triple Termo roof windows feature a high level of energy efficiency for your home thanks to the combination of a 3-pane package with a TGI Spacer warm spacer.





# SKYFENS SUPRO TRIPLE TERMO



|                   |   |
|-------------------|---|
| Energy efficiency | <ul style="list-style-type: none"> <li>• 3-glazed package with TGI warm frame Spacer</li> <li>• simple classic PVC profile</li> <li>• parameter <math>U_w=1,1 \text{ W/m}^2\text{K}</math></li> </ul> |
| Material          | <ul style="list-style-type: none"> <li>• Lead-free PVC</li> <li>• steel reinforcements</li> </ul>   |
| Axis of rotation  | <ul style="list-style-type: none"> <li>• elevated (3/4 window)</li> </ul>   |
| Opening           | <ul style="list-style-type: none"> <li>• manual assisted by gas cylinders gas actuators</li> </ul>  |
| Handle            | <ul style="list-style-type: none"> <li>• mounted on the bottom</li> <li>• 2 positions of passive ventilation</li> </ul>   |

## Technical data:

| Window U-value | Glazing U-value | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|----------------|-----------------|---------------------|------------------|-----------------------|----------------------|
| 1,1 W/m²K      | 0,5 W/m²K       | 32 dB               | class No. 4      | class No. E1200       | class No. C4         |

- A high energy efficiency level prevents heat losses at your home in winter and it allows to save on heating. The combination of a 3-pane package with a warm TGI Spacer frame reduces  $U_w$  to 1,1 W/m²K.
- Usage safety. This window is equipped with an innovative frame hinge which improves the safety, resistance and functionality of windows for long years.
- An innovative drainage system solves a problem of the accumulation of water condensation. This new window is equipped with appropriate holes which discharge dampness and condensate outside the window.
- Design. This window with a straight classic profile will enlighten perfectly the interior of any style. A silver slat used for finishing the pane package makes SUPRO window underline the modern style of your roof.
- The elevated axis of rotation improves visibility from the window and easy access.
- Simpler servicing of glazing packages. The front installation of SUPRO window makes it possible to replace the glazing package alone.

- The easy opening of the roof window is ensured by gas springs which make the position stable.
- Long lifespan. Aesthetic PVC, resistant to ageing, not sensitive to moisture and temperature changes, ideal for every room at your home.
- Easier installation of flanges owing to widened grooves in the frame. The angle sections increase the adjustment range of the window being mounted.



## Standard window dimensions:

|         |         |          |         |          |          |         |          |          |          |          |          |           |           |
|---------|---------|----------|---------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|-----------|
| 5/7     | 5/9     | 5/11     | 6/9     | 6/11     | 6/14     | 7/9     | 7/11     | 7/14     | 7/16     | 9/11     | 9/14     | 11/11     | 11/14     |
| 550x780 | 550x980 | 550x1180 | 660x980 | 660x1180 | 660x1400 | 780x980 | 780x1180 | 780x1400 | 780x1600 | 940x1180 | 940x1400 | 1140x1180 | 1140x1400 |

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# Skyfens SUPRO Triple

Skyfens SUPRO Triple roof windows are a combination of a classic straight profile and a 3-pane package. The  $U_w$  thermal coefficient is at a level of  $1.2 \text{ W/m}^2\text{K}$





# SKYFENS SUPRO TRIPLE



|                   |  |
|-------------------|--|
| Energy efficiency | <ul style="list-style-type: none"> <li>• package of 3 panes</li> <li>• straight classic PVC profile</li> <li>• <math>U_w = 1,2 \text{ W/m}^2\text{K}</math></li> </ul> |
| Material          | <ul style="list-style-type: none"> <li>• lead-free PVC</li> <li>• steel reinforcement</li> </ul>   |
| Axis of rotation  | <ul style="list-style-type: none"> <li>• elevated (3/4 window)</li> </ul>  |
| Opening           | <ul style="list-style-type: none"> <li>• manual with gas springs</li> </ul>  |
| Handle            | <ul style="list-style-type: none"> <li>• mounted on the bottom</li> <li>• 2 positions of passive ventilation</li> </ul>  |

## Technical data:

| Window U-value | Glazing U-value | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|----------------|-----------------|---------------------|------------------|-----------------------|----------------------|
| 1,2 W/m²K      | 0,5 W/m²K       | 32 dB               | class No. 4      | class No. E1200       | class No. C4         |

■ A high energy efficiency level prevents heat losses at your home in winter and it allows to save on heating.  $U_w = 1,2 \text{ W/m}^2\text{K}$ .

■ Usage safety. This window is equipped with an innovative frame hinge which improves the safety, resistance and functionality of windows for long years.

■ An innovative drainage system solves a problem of the accumulation of water condensation. This new window is equipped with appropriate holes which discharge dampness and condensate outside the window.

■ Design. This window with a straight classic profile will enlighten perfectly the interior of any style. A silver slat used for finishing the pane package makes SUPRO window underline the modern style of your roof.

■ The elevated axis of rotation improves visibility from the window and easy access.

■ Simpler servicing of glazing packages. The front installation of SUPRO window makes it possible to replace the glazing package alone.

■ The easy opening of the roof window is ensured by gas springs which make the position stable.

■ Long lifespan. Aesthetic PVC, resistant to ageing, not sensitive to moisture and temperature changes, ideal for every room at your home.

■ Easier installation of flanges owing to widened grooves in the frame. The angle sections increase the adjustment range of the window being mounted.



## Standard window dimensions:

|         |         |          |         |          |          |         |          |          |          |          |          |           |           |
|---------|---------|----------|---------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|-----------|
| 5/7     | 5/9     | 5/11     | 6/9     | 6/11     | 6/14     | 7/9     | 7/11     | 7/14     | 7/16     | 9/11     | 9/14     | 11/11     | 11/14     |
| 550x780 | 550x980 | 550x1180 | 660x980 | 660x1180 | 660x1400 | 780x980 | 780x1180 | 780x1400 | 780x1600 | 940x1180 | 940x1400 | 1140x1180 | 1140x1400 |

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2023

Roof windows

# Skyfens SKYLIGHT Plus Termo

Skylight Plus Termo roof windows are a combination of the new simple profile and the proven 2-pane package.

The  $U_w$  thermal coefficient is at  $1.3 \text{ W/m}^2\text{K}$ .





# SKYFENS SKYLIGHT PLUS TERMO



|                   |  |
|-------------------|--|
| Energy efficiency | <ul style="list-style-type: none"> <li>• 2-glazed package</li> <li>• simple classic profile</li> <li>• parameter <math>U_w = 1,3 \text{ W/m}^2\text{K}</math></li> </ul> |
| Material          | <ul style="list-style-type: none"> <li>• Lead-free PVC</li> <li>• steel reinforcements</li> </ul>  |
| Axis of rotation  | <ul style="list-style-type: none"> <li>• raised (3/4 window)</li> </ul>  |
| Opening           | <ul style="list-style-type: none"> <li>• manual assisted by gas cylinders</li> <li>• gas actuators</li> </ul>  |
| Handle            | <ul style="list-style-type: none"> <li>• fitted at the bottom</li> <li>• one position for passive ventilation</li> </ul>   |

## Technical data:

| Window U-value         | Glazing U-value        | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|------------------------|------------------------|---------------------|------------------|-----------------------|----------------------|
| 1,3 W/m <sup>2</sup> K | 1,1 W/m <sup>2</sup> K | 31 dB               | class 3          | class E1200           | class C4             |

■ The new improved profile combined with the 2-glazed package guarantees a balanced balance of heat gain and loss.  $U_w$  coefficient of 1.3 W/m<sup>2</sup>K.

■ A package of four special seals prevents leaks and contributes to a higher level of thermal protection for the window.

■ The raised 3/4 pivot increases visibility from the window and allows free access to the window space.

■ Easy installation of flanges thanks to extended grooves in the frame. Angles used increase the adjustment range of the installed window.

■ Safety of use. The window is equipped with an innovative frame hinge, which increases the safety, durability and functionality of the window for years to come.

■ The system of four low-temperature seals ensures excellent air-tightness of the Skylight Plus Termo roof window.

■ The external cladding of the roof window protects the fittings from the weather and improves the sealing of the frame-sash connection.

■ Mounting a window in all types of roofing in roofs with a pitch of 15-70 degrees

■ No special maintenance required. Care is limited to cleaning the windows.

■ Convenient position for cleaning the outside of the window - turning the sash 120°.



## Standard window dimensions:

|         |         |          |         |          |          |         |          |          |          |          |          |           |           |
|---------|---------|----------|---------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|-----------|
| 5/7     | 5/9     | 5/11     | 6/9     | 6/11     | 6/14     | 7/9     | 7/11     | 7/14     | 7/16     | 9/11     | 9/14     | 11/11     | 11/14     |
| 550x780 | 550x980 | 550x1180 | 660x980 | 660x1180 | 660x1400 | 780x980 | 780x1180 | 780x1400 | 780x1600 | 940x1180 | 940x1400 | 1140x1180 | 1140x1400 |

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# Skyfens Skylight Premium

Skylight Premium roof windows are characterised by their original, rounded profile geometry. Thermal transmittance of the window  $U_w=1,4W/m^2K$ .







|                   |   |
|-------------------|---|
| Energy efficiency | <ul style="list-style-type: none"> <li>2-pane package</li> <li>original, rounded profile</li> <li><math>U_w = 1,4 \text{ W/m}^2\text{K}</math></li> </ul> |
| Material          | <ul style="list-style-type: none"> <li>lead-free PVC</li> <li>steel reinforcement</li> </ul>  |
| Axis of rotation  | <ul style="list-style-type: none"> <li>elevated (3/4 window)</li> </ul>   |
| Opening           | <ul style="list-style-type: none"> <li>manual</li> </ul>  |
| Handle            | <ul style="list-style-type: none"> <li>mounted on the bottom</li> <li>1 position of passive ventilation</li> </ul>  |

## Technical data:

| Window U-value | Glazing U-value | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|----------------|-----------------|---------------------|------------------|-----------------------|----------------------|
| 1,4 W/m²K      | 1,1 W/m²K       | 33 dB               | class No. 4      | class No. E1200       | class No. C3         |

■ This unique rounded profile, in combination with the 2-pane package, guarantees the sustainable balance of thermal energy acquisition and loss.  $U_w = 1,4 \text{ W/m}^2\text{K}$ .

■ Long lifespan. Aesthetic PVC, resistant to ageing, not sensitive to moisture and temperature changes, ideal for every room at your home.

■ 3/4 elevated axis of rotation improves visibility from the window and easy access.

■ Design. This window with the original rounded profile will satisfy all the designing requirements.

■ The author's patented system of fittings guarantees full sash stability both in the half-open function, open function and rotational function with the maximum safety.

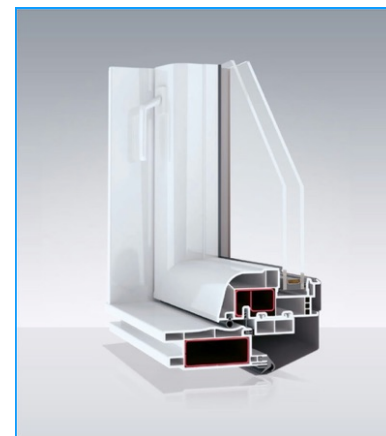
■ A system of four seals resistant to low temperatures ensures the perfect tightness of Skylight roof window.

■ The external roof window flashing protects fittings against atmospheric conditions and improves the sealing of the casing-sash connection.

■ Shock absorption fitting does not need any adjustment.

■ No special maintenance treatment required. It needs only washing.

■ A comfortable position for washing the external side of the window - sash rotation by 120°.



## Standard window dimensions:

|         |         |          |         |          |          |         |          |          |          |          |          |           |           |
|---------|---------|----------|---------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|-----------|
| 5/7     | 5/9     | 5/11     | 6/9     | 6/11     | 6/14     | 7/9     | 7/11     | 7/14     | 7/16     | 9/11     | 9/14     | 11/11     | 11/14     |
| 550x780 | 550x980 | 550x1180 | 660x980 | 660x1180 | 660x1400 | 780x980 | 780x1180 | 780x1400 | 780x1600 | 940x1180 | 940x1400 | 1140x1180 | 1140x1400 |

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# Skyfens Skylight

Skylight roof windows are distinguished above all by their attractive, light appearance with straight lines.







|                   |  |
|-------------------|--|
| Energy efficiency | <ul style="list-style-type: none"> <li>• 2-pane package</li> <li>• straight classic PVC profile</li> <li>• <math>U_w=1,4 \text{ W/m}^2\text{K}</math></li> </ul> |
| Material          | <ul style="list-style-type: none"> <li>• lead-free PVC</li> <li>• steel reinforcement</li> </ul>   |
| Axis of rotation  | <ul style="list-style-type: none"> <li>• elevated (3/4 window)</li> </ul>  |
| Opening           | <ul style="list-style-type: none"> <li>• manual</li> </ul>   |
| Handle            | <ul style="list-style-type: none"> <li>• mounted on the bottom</li> <li>• 1 position of passive ventilation</li> </ul>   |

## Technical data:

| Window U-value         | Glazing U-value        | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|------------------------|------------------------|---------------------|------------------|-----------------------|----------------------|
| 1,4 W/m <sup>2</sup> K | 1,1 W/m <sup>2</sup> K | 33 dB               | class No. 3      | class No. E1050       | class No. C3         |

■ This straight classic profile, in combination with the 2-pane package, guarantees the sustainable balance of thermal energy acquisition and loss.  $U_w = 1,4 \text{ W/m}^2\text{K}$ .

■ Long lifespan. Aesthetic PVC, resistant to ageing, not sensitive to moisture and temperature changes, ideal for every room at your home.

■ 3/4 elevated axis of rotation improves visibility from the window and easy access.

■ Design. This window with the original rounded profile will satisfy all the designing requirements.

■ The author's patented system of fittings guarantees full sash stability both in the half-open function, open function and rotational function with the maximum safety.

■ A system of four seals resistant to low temperatures ensures the perfect tightness of Skylight roof window.

■ The external roof window flashing protects fittings against atmospheric conditions and improves the sealing of the casing-sash connection.

■ Shock absorption fitting does not need any adjustment.

■ No special maintenance treatment required. It needs only washing.

■ A comfortable position for washing the external side of the window - sash rotation by 120°.



## Standard window dimensions:

|         |         |          |         |          |          |         |          |          |          |          |          |           |           |
|---------|---------|----------|---------|----------|----------|---------|----------|----------|----------|----------|----------|-----------|-----------|
| 5/7     | 5/9     | 5/11     | 6/9     | 6/11     | 6/14     | 7/9     | 7/11     | 7/14     | 7/16     | 9/11     | 9/14     | 11/11     | 11/14     |
| 550x780 | 550x980 | 550x1180 | 660x980 | 660x1180 | 660x1400 | 780x980 | 780x1180 | 780x1400 | 780x1600 | 940x1180 | 940x1400 | 1140x1180 | 1140x1400 |

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# Skyfens Supro Loft Triple Termo

Skyfens Supro Loft Triple Termo roof hatches offer excellent thermal insulation thanks to a triple glazing package with a warm frame ( $U_w 1.1 \text{ W/m}^2\text{K}$ ). Ideal for large roof openings, they provide a balance between cost and energy efficiency.



# SKYFENS SUPRO LOFT TRIPLE TERMO



|                   |   |
|-------------------|---|
| Energy efficiency | <ul style="list-style-type: none"> <li>3-glazed package with TGI Spacer warm frame</li> <li>simple classic profile</li> <li>parameter <math>U_w=1,1 \text{ W/m}^2\text{K}</math></li> </ul>   |
| Material          | <ul style="list-style-type: none"> <li>Lead-free PVC</li> <li>steel reinforcements</li> </ul>   |
| Opening           | <ul style="list-style-type: none"> <li>manual to the side</li> <li>sizes 6/X and 7/X with gas spring actuators</li> <li>can be opened to the right or to the left side of the roof</li> </ul> |
| Handle            | <ul style="list-style-type: none"> <li>two passive ventilation positions</li> </ul>   |

## Technical data:

| Coefficient $U_w$           | Coefficient $U_g$           | Sound insulation | Air permeability | Watertightness class | Wind load resistance |
|-----------------------------|-----------------------------|------------------|------------------|----------------------|----------------------|
| $1,1 \text{ W/m}^2\text{K}$ | $0,5 \text{ W/m}^2\text{K}$ | 32 dB            | class 4          | class E1200          | class C4             |

■ **SUPRO Roof Hatches** with a triple-glazed package and a warm TGI Spacer frame effectively reduce the heat transfer coefficient ( $U_w$ ) to  $1.1 \text{ W/m}^2\text{K}$ . They are ideal for both heated and unheated spaces due to their excellent thermal insulation properties.

■ **Innovative Hinge.** Enhanced safety and functionality thanks to the new hinge, which not only increases durability but also allows for smooth adjustment of the window sash, ensuring a perfect fit.

■ **Additional Dimension Options** – We have introduced new, large sizes for roof windows: 6/11 and 7/11, which meet the needs of projects requiring larger installation solutions and provide additional light space.

■ **Accessibility and Ergonomics** – The roof windows can be opened to the right or left, facilitating roof access. Side opening with a lock ensures that the sash remains open at a 90-degree angle.

■ **Innovative Opening Mechanisms** – For sizes 5/7 and 5/9, a casement mechanism is used, which facilitates manual opening and closing operations. In larger sizes 6/9, 6/11, 7/9, and 7/11, double gas struts with a damping function are installed, ensuring smoothness and safety in use.

■ **Optimal Protection Against External Conditions** thanks to four seals resistant to low temperatures, which provide maximum tightness of the roof hatch.

■ **Aesthetics and Easy Maintenance** – The roof window has a classic design that fits well with various interior styles and requires minimal maintenance, limited to occasional washing.

■ **Passive Ventilation** – The handle allows the roof hatch to be cracked open in two positions, enabling effective and adjustable ventilation.

■ **Installation on Various Roof Slopes and Coverings** – The roof window can be installed on roofs with a slope of 15 to 70 degrees and on any type of roof covering, offering wide compatibility and flexibility in adapting to various roof constructions.

## Standard dimensions of the hatches:

| 5/7*    | 5/9*    | 6/9**   | 6/11**          | 7/9**   | 7/11**          |
|---------|---------|---------|-----------------|---------|-----------------|
| 550x780 | 550x980 | 660x980 | <b>660x1180</b> | 780x980 | <b>780x1180</b> |

\* dimensions of egress hatches with hinge installed

\*\* dimensions of egress hatches with fitted gas spring assisted opening

### - hinge (5/x)



### - gas actuator (6/x i 7/x)



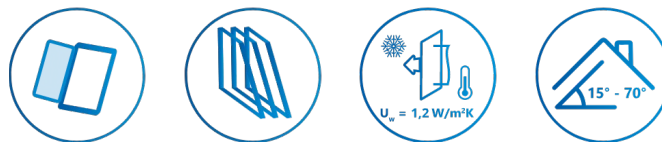


# Skyfens Supro Loft Triple

Skyfens Supro Loft Triple roof hatches provide good thermal insulation thanks to their triple glazing ( $U_w 1.2 \text{ W/m}^2\text{K}$ ). They are also available in large sizes for better interior lighting. New adjustable hinges and gas struts make installation easier and more comfortable.



# SKYFENS SUPRO LOFT TRIPLE



|                   |   |
|-------------------|---|
| Energy efficiency | <ul style="list-style-type: none"> <li>• 3-glazed package</li> <li>• simple classic profile</li> <li>• parameter <math>U_w = 1.2 \text{ W/m}^2\text{K}</math></li> </ul>                            |
| Material          | <ul style="list-style-type: none"> <li>• Lead-free PVC</li> <li>• steel reinforcements</li> </ul>   |
| Opening           | <ul style="list-style-type: none"> <li>• manual to the side</li> <li>• sizes 6/X and 7/X with gas spring actuators</li> <li>• can be opened to the right or to the left side of the roof</li> </ul> |
| Handle            | <ul style="list-style-type: none"> <li>• two passive ventilation positions</li> </ul>   |

## Technical data:

| Coefficient $U_w$      | Coefficient $U_g$      | Sound insulation | Air permeability | Watertightness class | Wind load resistance |
|------------------------|------------------------|------------------|------------------|----------------------|----------------------|
| 1,2 W/m <sup>2</sup> K | 0,5 W/m <sup>2</sup> K | 32 dB            | class 4          | class E1200          | class C4             |

■ **SUPRO Loft Triple Roof Hatch** - with a triple glazing package achieving a thermal transmittance coefficient ( $U_w$ ) of 1.2 W/m<sup>2</sup>K. It is an ideal choice for both heated and unheated rooms, offering good thermal insulation.

■ **Innovative Hinge.** Enhanced safety and functionality thanks to the new hinge, which not only increases durability but also allows for smooth adjustment of the window sash, ensuring a perfect fit.

■ **Additional Dimension Options** – We have introduced new, large sizes for roof windows: 6/11 and 7/11, which meet the needs of projects requiring larger installation solutions and provide additional light space.

■ **Accessibility and Ergonomics** – The roof windows can be opened to the right or left, facilitating roof access. Side opening with a lock ensures that the sash remains open at a 90-degree angle.

■ **Innovative Opening Mechanisms** – For sizes 5/7 and 5/9, a casement mechanism is used, which facilitates manual opening and closing operations. In larger sizes 6/9, 6/11, 7/9, and 7/11, double gas struts with a damping function are installed, ensuring smoothness and safety in use.

■ **Optimal Protection Against External Conditions** thanks to four seals resistant to low temperatures, which provide maximum tightness of the roof hatch.

■ **Aesthetics and Easy Maintenance** – The roof window has a classic design that fits well with various interior styles and requires minimal maintenance, limited to occasional washing.

■ **Passive Ventilation** – The handle allows the roof hatch to be cracked open in two positions, enabling effective and adjustable ventilation.

■ **Installation on Various Roof Slopes and Coverings** – The roof window can be installed on roofs with a slope of 15 to 70 degrees and on any type of roof covering, offering wide compatibility and flexibility in adapting to various roof constructions.

## Standard dimensions of the hatches:

| 5/7*    | 5/9*    | 6/9**   | 6/11**          | 7/9**   | 7/11**          |
|---------|---------|---------|-----------------|---------|-----------------|
| 550x780 | 550x980 | 660x980 | <b>660x1180</b> | 780x980 | <b>780x1180</b> |

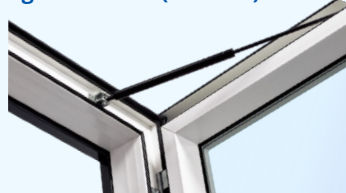
\* dimensions of egress hatches with hinge installed

\*\* dimensions of egress hatches with fitted gas spring assisted opening

- hinge (5/x)



- gas actuator (6/x i 7/x)





# Skyfens Skylight Plus Loft Termo

SkylightPLUS Loft Termo roof hatches provide good thermal insulation thanks to a double-glazed package with a warm frame ( $U_w 1.4 \text{ W/m}^2\text{K}$ ).

It is the ideal solution for those looking for a balance between cost and energy efficiency in heated and unheated rooms.



# SKYFENS SKYLIGHT PLUS LOFT TERMO



|                   |   |
|-------------------|---|
| Energy efficiency | <ul style="list-style-type: none"> <li>2-glazed package with TGI Spacer warm frame</li> <li>simple classic profile</li> <li>parameter <math>U_w=1,4 \text{ W/m}^2\text{K}</math></li> </ul>   |
| Material          | <ul style="list-style-type: none"> <li>Lead-free PVC</li> <li>steel reinforcements</li> </ul>   |
| Opening           | <ul style="list-style-type: none"> <li>manual to the side</li> <li>sizes 6/X and 7/X with gas spring actuators</li> <li>can be opened to the right or to the left side of the roof</li> </ul> |
| Handle            | <ul style="list-style-type: none"> <li>two passive ventilation positions</li> </ul>   |

## Technical data:

| Coefficient $U_w$      | Coefficient $U_g$      | Sound insulation | Air permeability | Watertightness class | Wind load resistance |
|------------------------|------------------------|------------------|------------------|----------------------|----------------------|
| 1,4 W/m <sup>2</sup> K | 0,5 W/m <sup>2</sup> K | 31 dB            | class 3          | class E1200          | class C4             |

■ **SkylightPLUS Loft Termo Roof Windows** – Equipped with a double-glazed package and a warm frame, achieving excellent thermal insulation parameters with a U-value of 1.4 W/m<sup>2</sup>K. This is an ideal solution for those seeking a balance between cost and energy efficiency in both heated and unheated spaces.

■ **Innovative Hinge.** Enhanced safety and functionality thanks to the new hinge, which not only increases durability but also allows for smooth adjustment of the window sash, ensuring a perfect fit.

■ **Additional Dimension Options** – We have introduced new, large sizes for roof windows: 6/11 and 7/11, which meet the needs of projects requiring larger installation solutions and provide additional light space.

■ **Accessibility and Ergonomics** – The roof windows can be opened to the right or left, facilitating roof access. Side opening with a lock ensures that the sash remains open at a 90-degree angle.

■ **Innovative Opening Mechanisms** – For sizes 5/7 and 5/9, a casement mechanism is used, which facilitates manual opening and closing operations. In larger sizes 6/9, 6/11, 7/9, and 7/11, double gas struts with a damping function are installed, ensuring smoothness and safety in use.

■ **Optimal Protection Against External Conditions** thanks to four seals resistant to low temperatures, which provide maximum tightness of the roof hatch.

■ **Aesthetics and Easy Maintenance** – The roof window has a classic design that fits well with various interior styles and requires minimal maintenance, limited to occasional washing.

■ **Passive Ventilation** – The handle allows the roof hatch to be cracked open in two positions, enabling effective and adjustable ventilation.

■ **Installation on Various Roof Slopes and Coverings** – The roof window can be installed on roofs with a slope of 15 to 70 degrees and on any type of roof covering, offering wide compatibility and flexibility in adapting to various roof constructions.

## Standard dimensions of the hatches:

| 5/7*    | 5/9*    | 6/9**   | 6/11**          | 7/9**   | 7/11**          |
|---------|---------|---------|-----------------|---------|-----------------|
| 550x780 | 550x980 | 660x980 | <b>660x1180</b> | 780x980 | <b>780x1180</b> |

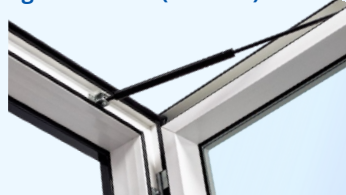
\* dimensions of egress hatches with hinge installed

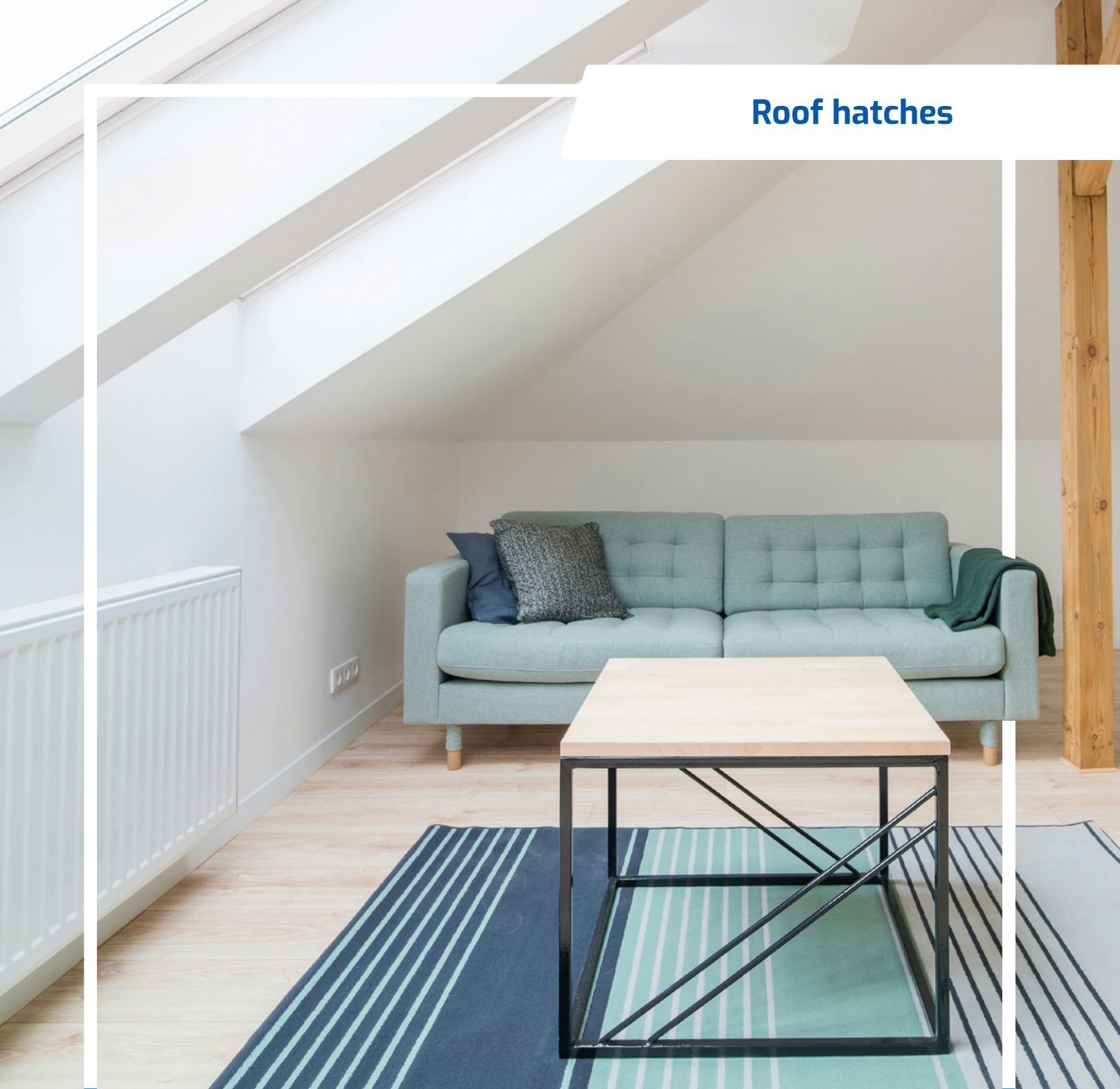
\*\* dimensions of egress hatches with fitted gas spring assisted opening

- hinge (5/x)



- gas actuator (6/x i 7/x)





# Skyfens Skylight Loft Termo

Skylight roof hatches are characterised by a unique, simple  
The unique, simple geometry of the insulated profile.  
They provide easy and safe access to the roof.



# SKYFENS SKYLIGHT LOFT TERMO



|                   |  |
|-------------------|--|
| Energy efficiency | <ul style="list-style-type: none"> <li>package of 2 panes with a warm TGI Spacer frame</li> <li>original rounded thermally insulated profile</li> <li>U<sub>w</sub>=1,5 W/m²K</li> </ul> |
| Material          | <ul style="list-style-type: none"> <li>lead-free PVC</li> <li>steel reinforcement</li> </ul>   |
| Opening           | <ul style="list-style-type: none"> <li>manual-lateral</li> <li>the possibility of opening to the right or left side of the roof</li> </ul>   |
| Handle            | <ul style="list-style-type: none"> <li>1 position of passive ventilation</li> </ul>  |

| Window U-value | Glazing U-value | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|----------------|-----------------|---------------------|------------------|-----------------------|----------------------|
| 1,5 W/m²K      | 1,0 W/m²K       | 33 dB               | class No. 4      | class No. E1200       | class No. C3         |

■ Roof hatches have high thermal insulation parameters dedicated to rooms which are not heated but it does not exclude their use in heated rooms. U<sub>w</sub> = 1,5 W/m²K.

■ Long lifespan. Aesthetic PVC, resistant to ageing, not sensitive to moisture and temperature changes, ideal for every room at your home.

■ Functionality. Owing to the possibility of opening to the right or to the left of the roof, they ensure easy exit to the roof.

■ The roof hatch opened to the side has an opening/closing lock which ensures a slash position opened by 90° which allows for safe exiting to the roof.

■ The mounted handle allows for opening the roof hatch to the airing position.

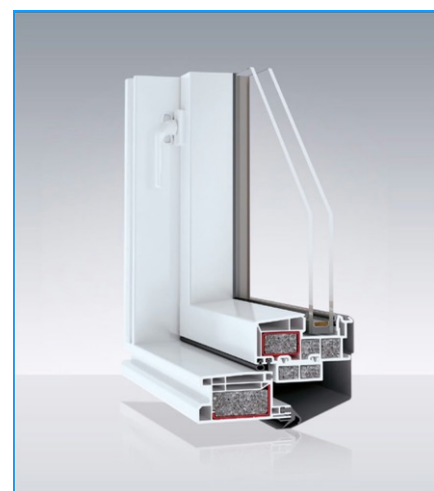
■ A system of four seals resistant to low temperatures ensures the perfect tightness of Skylight roof hatch.

■ Design. This roof hatch with the original simple, insulated profile will satisfy all the designing requirements.

■ No special maintenance treatment required. It needs only washing.

## Standard roof hatches dimensions:

| 4/7     | 5/7     | 5/9     | 6/9     | 7/9     |
|---------|---------|---------|---------|---------|
| 450x730 | 550x780 | 550x980 | 660x980 | 780x980 |



## Roof hatches

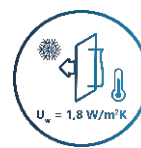


# Skyfens Skylight Loft

Skylight Loft roof hatches feature an aesthetically pleasing and simple profile that gives the construction an attractive and modern look. They provide easy and safe access to the roof.



# SKYFENS SKYLIGHT LOFT



|                   |  |
|-------------------|--|
| Energy efficiency | <ul style="list-style-type: none"> <li>2-pane package</li> <li>straight classic PVC profile</li> <li>U<sub>w</sub>=1,8 W/m²K</li> </ul>    |
| Material          | <ul style="list-style-type: none"> <li>lead-free PVC</li> <li>steel reinforcement</li> </ul>   |
| Opening           | <ul style="list-style-type: none"> <li>manual-lateral</li> <li>the possibility of opening to the right or left side of the roof</li> </ul> |
| Handle            | <ul style="list-style-type: none"> <li>1 position of passive ventilation</li> </ul>  |

## Technical data:

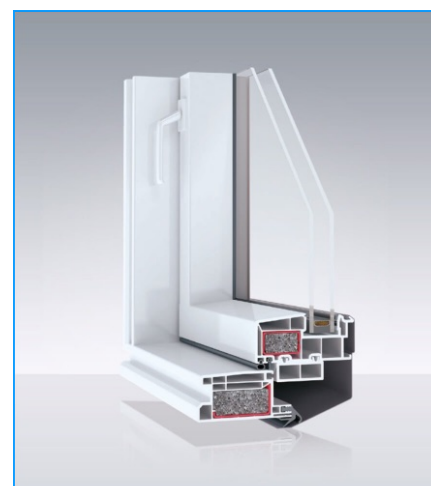
| Window U-value | Glazing U-value | Acoustic insulation | Air permeability | Water tightness class | Wind load resistance |
|----------------|-----------------|---------------------|------------------|-----------------------|----------------------|
| 1,8 W/m²K      | 1,1 W/m²K       | 33 dB               | class No. 4      | class No. E1200       | class No. C3/B3      |

- Roof hatches have high thermal insulation parameters dedicated to rooms which are not heated but it does not exclude their use in heated rooms. U<sub>w</sub> = 1,8 W/m²K.
- Long lifespan. Aesthetic PVC, resistant to ageing, not sensitive to moisture and temperature changes, ideal for every room at your home.
- Functionality. Owing to the possibility of opening to the right or to the left of the roof, they ensure easy exit to the roof.
- The roof hatch opened to the side has an opening/closing lock which ensures a slash position opened by 90° which allows for safe exiting to the roof.

- The mounted handle allows for opening the roof hatch to the airing position.
- A system of four seals resistant to low temperatures ensures the perfect tightness of Skylight roof hatch.
- Design. This roof hatch with a straight classic profile will enlighten perfectly the interior of any style.
- No special maintenance treatment required. It needs only washing.

## Standard roof hatches dimensions:

|         |         |         |         |         |
|---------|---------|---------|---------|---------|
| 4/7     | 5/7     | 5/9     | 6/9     | 7/9     |
| 450x730 | 550x780 | 550x980 | 660x980 | 780x980 |



## SEALING FLANGES

Sealing flanges made of aluminium sheet with permanently protected polyester paints.

Flange types:

- F - flange for corrugated roofing
- P - flange for flat roofing
- M - modular;  
MP - modular for flat roofing.
- K - elbow flange (for connecting a roof window with a facade window), available also in a modular version.
- Scaled flange
- Flange for flat roofing
- Flange for panel sheet

\*Special flanges enable the installation of windows side by side or one above another.



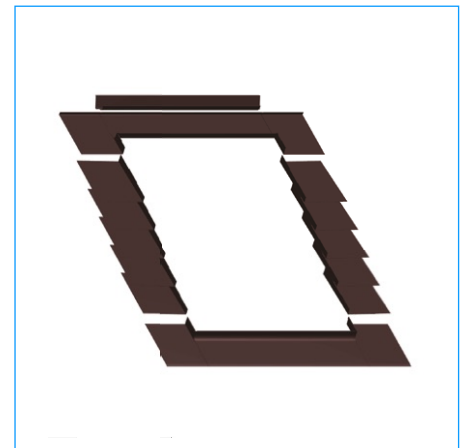
Flange for flat roofs



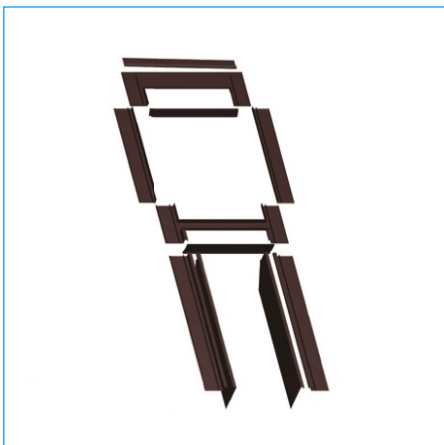
Flange for corrugated roofing



Modular flange



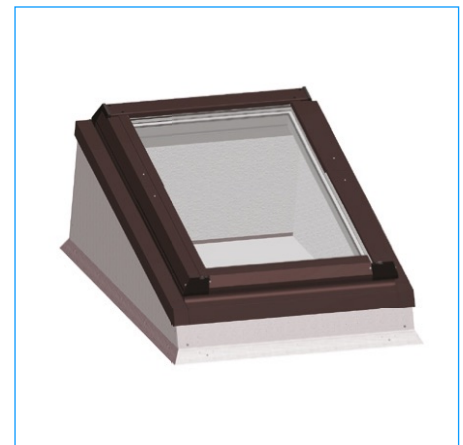
Scaled flange



Elbow corrugated "F" and flat "P" flange



Modular corrugated "F" and flat "P" flange



Flange for flat roofing



## COLOURS

Individualism and aesthetics.

The appearance of the Skyfens products combines functionality and beauty.

Roof window profiles of the Supro and Skylight lines are made in classic white color.

The colors of the cladding and sealing flanges are available in two colors RAL7043 (anthracite) and RAL8019 (brown).

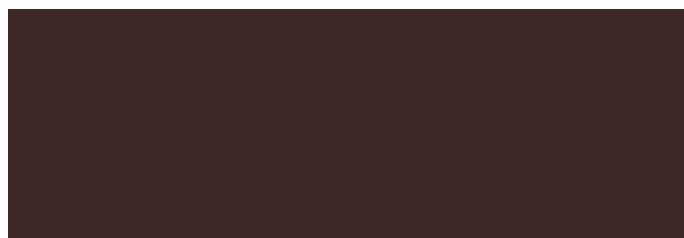
### Color of the window frame



### The colours of flashing and sealing flanges



RAL7043



RAL8019

## HANDLES

SUPRO and SKYLIGHT roof windows are fitted with the classic white handle.

On special request, we can use a handle with a safety button, which protects the window from being opened, for example by children.

A cut-out is provided in each handle slot, allowing the window to be unsealed and the room to be effectively aired.

and effective ventilation of the room. SUPRO windows have two levels of unsealing.



White



SUPRO handle slot



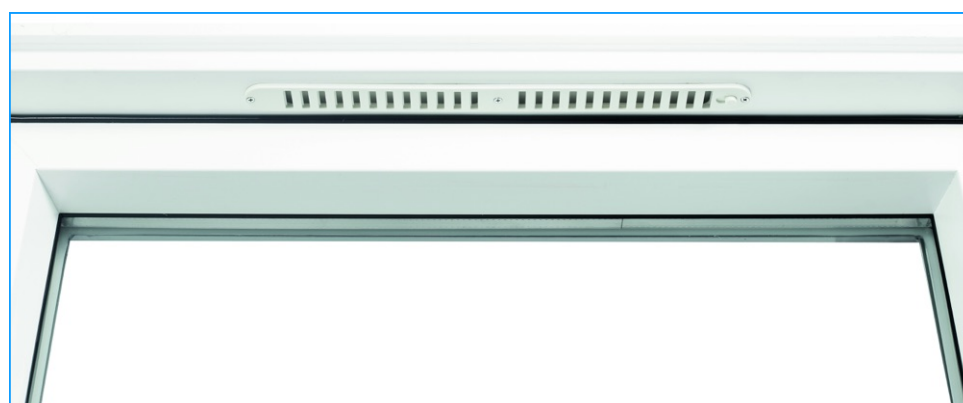
Skylight handle slots

## Window ventilators

New, warm windows allow not only for heating savings but they also make staying at home more comfortable. This is why proper ventilation is now even more important because it enables eliminating dampness from rooms. In some situations, regular airing may be not enough. A good solution here are windows with integrated intake ventilators.



White





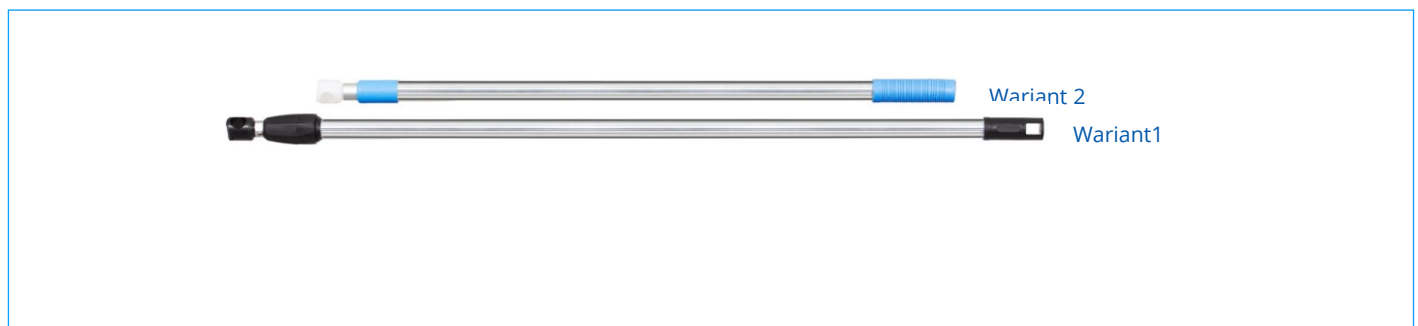
## ELECTRIC ACTUATORS

They guarantee comfortable and automatic window operation. This is a perfect solution for windows mounted in locations with difficult access. A rain sensor which closes the window automatically when rain is detected. It is also possible to equip the window with a wind sensor which closes the window automatically when strong wind is detected. A simple and flexible solution preventing the need for the manual window operation.



## Telescopic stick

Telescopic stick for roof windows, allows free operation of a window installed at a high height. Available in 160cm and 200cm versions.



**SkyVER** roller blinds are a functional and aesthetically pleasing solution for your SUPRO and SKYLIGHT windows. Perfectly suited to roof windows. They are available in both sunshade and blackout versions, guaranteeing protection against excessive heat build-up and a peaceful night's sleep in a darkened room. Available in a wide range of colours and designs - please visit: [www.skyfens.pl](http://www.skyfens.pl)



- cassette system made of aluminium with aluminium guides
  - blinds intended for high-pitched roof windows
  - mounted on the roof sash
  - the spring mechanism easily allows you to set any position of the roller blind and allows the fabric to be automatically rolled up into the cassette
- invasive installation: screwed



# SKYVER INTERIOR ROLLER BLINDS AND PLEATS





Aluminium external blinds, folding and straight fitting  
for **SUPRO** and **SKYLIGHT Plus Termo** roof windows

The SkyROLL roller blind is the perfect solution designed specifically for those seeking effective protection against light, noise, excessive sunlight and high temperatures in loft spaces. Our roller blind combines functionality, durability and aesthetics, while providing convenient and easy control.

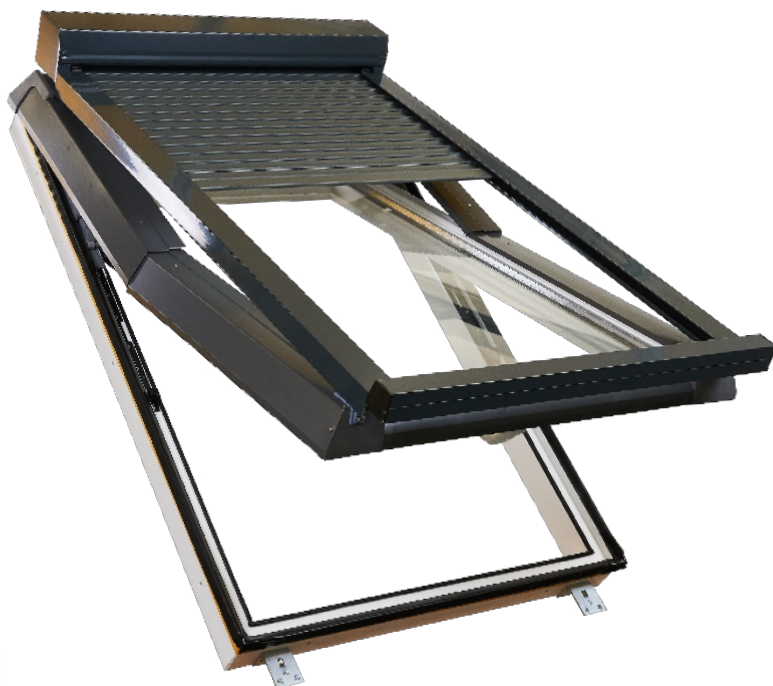


## Key features of SkyROLL roller shutters:

- **Protection from light and temperature:** Our external roller blind effectively blocks excessive sunlight.
- **Protection against noise:** The robust construction of the roller blind contributes to a significant reduction in external noise.
- **Privacy:** The external roller blind for SkyROLL roof windows provides an additional layer of privacy for the occupants of the attic rooms.
- **Durability and weather resistance:** The SkyROLL external roller blind is made of high-quality aluminium, which guarantees its durability and resistance to weather conditions such as rain, wind and UV rays.
- **Convenient control:** our external roller blind for roof windows is equipped with a convenient control system, which allows you to easily adjust its position and light inside the room. It can be controlled via a wall button or remote control,
- **Power supply:** Our external roller blind for roof windows offers two convenient power options - electricity or solar energy.
- **Aesthetic design:** Our external roller blind has been designed with aesthetics in mind and fits harmoniously with the window. It is available in two colour versions: anthracite and bronze.



# SKYROLL EXTERNAL BLINDS



## Standardowe kolory pancerza:





## External awnings to match **SUPRO** and **SKYLIGHT** roof windows

The SkyMAR awning blind is the perfect complement to SUPRO and SKYLIGHT windows. It provides optimal shading and protection all year round.

In summer it protects against overheating, in winter it prevents heat loss. It dampens rain noise and acts as a weather screen, further increasing thermal insulation.

In addition, the SkyMAR external awning provides adequate privacy in your attic.

### Key features of SkyMAR awnings:

- manual control
- control rod option (control rod at extra cost as per price list)
- construction colour AL: RAL 8019, 7043 (brown, anthracite)
- top profile: AL folded, bottom profile: AL extruded, diameter 8 mm
- AL winding roller, diameter 22 mm
- minimum width 400 mm, maximum width 1200 mm
- minimum height 500 mm, maximum height 1600 mm
- maximum surface area 1.9 m<sup>2</sup>
- there is always extra material on the winding roll, approximately + 20 cm in relation to the ordered height





# SKYMAR EXTERNAL AWNINGS



# OVERVIEW ROOF WINDOWS

## Roof windows

| Typ                               | Skylight  | Skylight Premium | Skylight Plus Termo | SUPRO Triple             | SUPRO Triple Termo             | SUPROALU      |
|-----------------------------------|-----------|------------------|---------------------|--------------------------|--------------------------------|---------------|
| Window pane parameters:           |           |                  |                     |                          |                                |               |
| Glazing U-value                   | 1,1       | 1,1              | 1,1                 | 0,5                      | 0,5                            | 0,5           |
| Total thermal energy transfer [g] | 0,64      | 0,64             | 0,64                | 0,53                     | 0,53                           | 0,53          |
| Warm spacer: yes/no               | no        | no               | yes                 | no                       | yes                            | yes           |
| Window parameters:                |           |                  |                     |                          |                                |               |
| Profile geometry                  | straight  | rounded          | straight            | straight                 | straight                       | rounded       |
| Thermal transmittance Uw (W/m2 K) | 1,4       | 1,4              | 1,3                 | 1,2                      | 1,1                            | 1,0           |
| Waterproof                        | E1050     | E1200            | E1200               | E1200                    | E1200                          | E1200         |
| Air permeability                  | Class 3   | Class4           | Class3              | Class4                   | Class4                         | Class4        |
| Snow load resistance              | 4H-16-4T  | 4H-16-4T         | 4H/Ar-20/4          | 4H/Ar<br>18/4/Ar<br>18/4 | 4H/18TGI<br>Ar/4/18TGI<br>Ar/4 | 4H/18/4/18/4T |
| Acoustic properties [dB]          | 33(-1;-3) | 33(-1;-3)        | 31(-2;-5)           | 32(-1;-4)                | 32(-1;-4)                      | 33            |
| Number of gaskets                 | 4         | 4                | 4                   | 4                        | 4                              | 4             |

## Roof hatches

| Typ  | Skylight Loft | Skylight Loft Termo | Skylight Loft Plus Termo | SUPRO Loft Triple        | SUPRO Loft Triple Termo        | SUPROALU Loft |
|--|---------------|---------------------|--------------------------|--------------------------|--------------------------------|---------------|
| Window pane parameters:  |               |                     |                          |                          |                                |               |
| Heat transfer coefficient Ug   | 1,1           | 1,0                 | 1,0                      | 0,5                      | 0,5                            | 0,5           |
| Solar energy transmittance coefficient<br>total solar energy transmittance g | 0,64          | 0,5                 | 0,5                      | 0,53                     | 0,53                           | 0,53          |
| Warm spacer: yes/no  | no            | yes                 | yes                      | no                       | yes                            | yes           |
| Window parameters:   |               |                     |                          |                          |                                |               |
| Profile geometry   | straight      | straight            | straight                 | straight                 | straight                       | rounded       |
| Thermal transmittance<br>Uw (m2K)  | 1,8           | 1,5                 | 1,4                      | 1,2                      | 1,1                            | 1,0           |
| Waterproof   | E1200         | E1200               | E1200                    | E1200                    | E1200                          | E1200         |
| Air permeability   | Class4        | Class4              | Class4                   | Class4                   | Class4                         | Class4        |
| Snow load resistance   | 4H-16-4T      | 4H-16-4T            | 4H-16-4T                 | 4H/Ar<br>18/4/Ar<br>18/4 | 4H/18TGI<br>Ar/4/18TGI<br>Ar/4 | 4H/18/4/18/4T |
| Acoustic properties [dB]   | 33(-1;-3)     | 33(-1;-3)           | 33(-1;-3)                | 32(-1;-4)                | 32(-1;-4)                      | 33            |
| Number of gaskets  | 3             | 3                   | 3                        | 4                        | 4                              | 4             |

### Warranty

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#### 15 years

on toughened outer glass  
package broken as a result of  
hailstorms

#### 10 years

the glazing package in case of  
loss of airtightness or cracks  
stress cracks due to  
constructional defects

PVC components, fittings, defects in  
construction and manufacturing  
defects

#### 5 years

sealing flanges and gaskets  
external blinds

#### 2 years

interior roller blinds, awnings,  
actuators, electric motors and other  
accessories purchased from the  
manufacturer