



Roof Windows



s: 201

Proven and elegant standard construction

The s:201 roof window can be integrated into brand new as well as existing roof structures, even in places with restricted access. Our proven construction featuring narrow profiles lends this roof window an elegant edge. The brackets are made of electro-polished chromium-nickel steel; the window surface is equipped with electrically adjustable louver glazing. The louvered design creates ways to ventilate automatically and control room temperature. Using an electric control system indoor climate can be regulated in a very precise manner based on your requirements. Aside from standard sizes, this roof window is also available custom-made in any size.



s:203 discrete louvered window with a host of extras



The s:203 roof window is a technical advancement of the s:201 model. A surrounding insulated aluminum frame allows for the attachment of individual panes of insulated glazing to the sliding profiles by using louver brackets. All louvers can be opened and fixed at any angle to ensure optimum ventilation. There are numerous control options: from manual switch control and fully automatic systems with indoor and outdoor temperature feature to wind and rains sensors as well as jamming protection. Interior shading, mosquito screens and LED lighting can be integrated invisibly into the surround and operated by hand or by motor, as preferred. In addition, the s:203 roof window is NSHEV-compliant (suitable as a natural smoke and heat exhaust ventilation device).

We are the first specialists for roof windows to ever have succeeded in integrating a louvered window into a roof that meets all requirements of natural smoke and heat exhaust ventilation devices (NSHEV). In the tests conducted at the Rosenheim test center, the s:203 roof window passed with flying colors.



s: 205

Fixed louvered glazing creates a generous source of light

Even non-insulated buildings or projecting roofs can be improved by adding light, thanks to our design of fixed louvered glazing. We build glass louvers to measure, following the existing tile pattern in the process. By overlapping single panes of glazing, a pleasant air circulation is created and heated air is being dissipated. If required, we incorporate a seal into the intermediate space between the panes. Our louvered windows including frames are delivered as finished elements.



s: 209 and s: 211 E Fix

Large fixed skylight



As a skylight the fixed glazing s:209 can be incorporated into all types of roofs very discretely and aesthetically. One can experience a new room ambience due to the generous dimensions up to 6000 mm x 3000 mm (depending on roof pitch, installation location and the structural conditions of the building). The skylight is available with two-pane or three-pane insulated glazing and has minimal sheet metal visible from the outside due to the staggered glazing.

Our specially developed frame for listed historical structures allows for an even further substantial reduction of the amount of sheet metal. The frame consists of an insulated aluminum profile and is available in a plain anodized finish or powder-coated in any RAL or NCS color on request. We provide flashing in the materials copper, titanium, zinc or aluminum, either untreated or also powder coated in any RAL or NCS color on request. For your additional comfort, we mount an anti-glare shield inside or shading outside – both can also be retrofitted.



s:211 E

Rooms flooded with light thanks to innovative construction

The s:211 top-hung roof window meets the latest energy standards. The structural sealant system of the staggered niche glazing and its narrow aluminum casement create a window that is a vision of elegance. The top-hung roof window can be discretely integrated into any roof – without projection frame or superstructure. It can be elegantly installed into existing or any new types of solar, Eternit, shingle and tiled roofs, even in cases where access is restricted or the building is listed. Thanks to the s:207 roof frame, the window can also be integrated into flat roofs.



s: 211 E DA

Versatile roof access hatch providing panoramic views



The s:211 DA roof access hatch is a premium elegant solution facilitating practical and discrete access to your roof or terrace area. This novel mode of construction using an insulated aluminum profile enables the casement to be opened up to an 88° angle. The outer pane of the two-pane or three-pane insulated glazing covers the casement profile in a way that causes the hatch to appear to be made entirely of glass when viewed from the outside. Depending on its construction, the glazing can be flush with the terrace floor. In order to maximize light incidence the indoor casement profile is integrated into the frame. The casement is operated with discrete automatic elements that comply with safety standards. An infrared safety strip as well as additional outside waterproof buttons can be incorporated as further option.



s:213

Excellent views even from solar roofs



The s:213 roof window has been especially developed for use in solar roofs. Thanks to its elegant all-glass look, it fits perfectly into the characteristic look of solar roof systems. Its installation does not require any major structural interventions. On the outside, the s:213 roof window consists entirely of glass. On the inside, an insulated aluminum frame runs around the construction; it is available in a plain anodized finish or powder-coated in any RAL color. The roof window can be adjusted in its height and size according to the panel size of the respective system. For this task, we use products from all suppliers (Solrif, MegaSlate, Nicer, etc.). This model is available as a fixed element or with an opening mechanism, operable either manually or electrically.

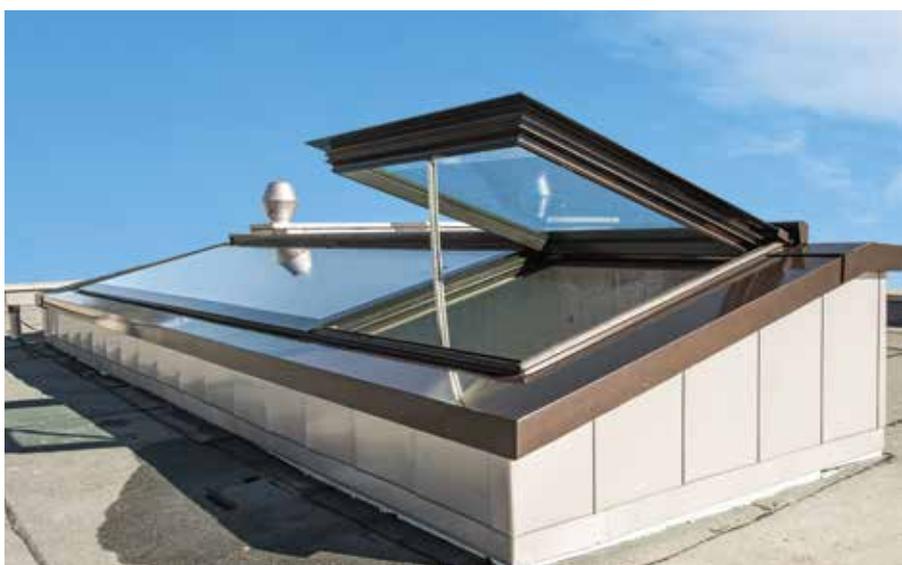


s: 215

A solid solution usable everywhere

The s: 215 is a top-hung outward opening window offering a practical and sound solution to allow more light into a room. To this end, a surrounding insulated aluminum profile has been developed for installation into existing and new roof structures. The glass elements are made of staggered insulated glazing and have a frame that is barely visible from the outside. The roof frame can be easily inserted in the three surrounding EPDM seals that provide optimum tightness.

We can build the frame to have various subdivisions. Everything is possible, from fixed glazing and photovoltaic elements to thermal panels or casements that can be opened. An 8 mm thick glazing overlap is formed in the area of the casements. A maintenance-free plastic bushing and the chromium-steel hinge system that has been developed especially for this product both ensure smooth, long-term operation.



Outside shading type "flush-with-roof"

We developed this exterior shading for structures that are listed or that have to meet high aesthetic standards. The mounted shading can be attached to be flush with the roof surface as well as practically invisible. Any visible sheet metal is kept to a minimum. The construction is placed in a special frame on the sub roof and bonded with the latter using a waterproof seal. The roof tiles or Eternit panels fully cover the box for the blinds. ZIP-guided shading is being used and, depending on the material (Soltis 86 or 92), may be suitable as blackout blinds. The

side guides are integrated into a two-part sheet metal construction and practically invisible. The outside shading type "flush-with-roof" can be supplied in all available materials. It can be used for the window types s: 209, s: 211 E, s: 211 DA, s: 213 and under certain conditions for s: 201 and s: 203.



Flushing with shading half open.



Top cover for blinds box.



Bottom notch in Eternit panel for lateral drainage.

Frame model listed buildings

For listed buildings deserving of protection we developed our frame model "listed property" and thereby reduced the percentage of visible sheet metal by 70%. The window is mounted even deeper in the roof so that the last tile covers the top cover sheet. The bottom end sheet is also covered by a row of tiles and bolted to the U-fastener.

The fastener, in turn, is fastened covered by the last louver in closed position. In doing so, the tile pattern is matched precisely. We supply the frame in all available materials. It can be used with the window types s: 209, s: 211 E, s: 211 DA, s: 213 and under certain conditions with s: 201 and s: 203.



Bottom connection with closed louvers.



Top connection with tile flushing.



Bottom connection with open louvers and lateral eaves trough.



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