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- Sliding Window
- **Glass Sliding Roof**
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marine glazing Brombach + Gess GmbH & Co. KG

Panoramic Glass Sliding Roof

Use of public spaces in every weather condition

Solar-filtered glass provides much light and insulates against the heat

Available as steel, aluminum or light weight composite construction

marine glazing
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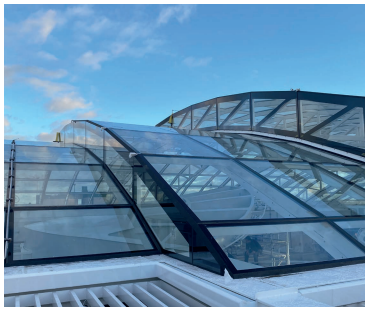
marine glazing - Ideas in Glass®



Product description

Use public spaces such as pools, terraces or bars whatever the weather – panoramic glass sliding roof offers a great solution here.

By taking the appropriate glass properties into account in the roof system, extreme heat build-up can be prevented while the roof is closed without reducing the amount of light which is let in.

Sliding concept

The individual roof sections are electronically operated for opening and closing the roof. When closed, inflatable seals ensure that drafts and rains are kept outside, while a comfortable atmosphere prevails inside. The roof is controlled at the press of a button or automatically using sensors. The air conditioning and ventilation system is integrated into the controls.

The roof can be selectively moved using maintenance and emergency programs, or can even be moved and closed mechanically in the event of a power failure.

Practical Example

Brombach + Gess designed and installed a retractable roof which covers the entire width of the deck with across a span of 22 m and a length of 35 m.
The roof is segmented into 6 elements – two fixed areas in the fore and aft sections and four movable elements which can be retracted over the fixed elements.

The objective in the planning for the roof was to develop the lightest and most streamlined structure possible without additional braces and supports. The entire frame structure was made from aluminum, allowing a weight reduction of 20 t in comparison to a steel structure.
The glass in the roof is a laminated solar-filtered glass which keeps temperatures under the roof at a moderate level.

The glass is bonded flat to the aluminum structure. As a result, stress peaks on the glass, caused by the relatively soft aluminum structure, are avoided.