

This text can be downloaded at www.sedak.com and www.pr-nord.de

01/17-01

sedak GmbH & Co. KG
Einsteinring 1
86368 Gersthofen

Tatjana Vinkovic
Telefon +49 821 2494 - 823
Telefax +49 821 2494 - 777

www.sedak.com
tatjana.vinkovic@sedak.com

BAU: sedak emphasizes glass competence with slim insulating glass with U-value up to 0.23 W/m²K

Big - also in Detail

With its new product line “sedak isomax”, sedak strengthens its leading position for premium oversize insulating and safety glass. Despite its slim design, the double and triple units reach a U-value up to 0.23 W/m²K, a new insulation level. They are available in up to 3.2m x 16m. Besides that, the glass manufacturer presented some exhibits with especially sophisticated detail-solutions: a backlit glass pane with a high-resolution, ceramic-ink digital print, a construction showing a part of a glass-fin façade with minimal connection elements, as well as a cold-bent triple laminated safety glass.

With the new IGU product line “sedak isomax”, sedak consolidates its position as leading innovator for oversize formats and customized solutions. The oversize glass panes in up to 3.2m x 16m reach insulation values up to 0.23 W/m²K thanks to a vacuum insulation panel. However, they remain as slim as conventional insulating glass and can be combined with common façade systems.

Weitere Presseinformationen
finden Sie unter
www.pr-nord.de

pr nord. neue kommunikation.
Reichsstraße 3
D-38100 Braunschweig

Telefon +49 531 70101-0
Telefax +49 531 70101-50

sedak@pr-nord.de
www.pr-nord.de

Transparent details

According to the motto “Big in Detail”, the expert for oversize glass formats showed with three further exhibits which possibilities offered the modern building material. To expand the range of application, outstanding detail-solutions are required.

- For a large façade with maximum transparency, also the supporting construction has to be out of glass. sedak demonstrated technical brilliance and one of their core capabilities – with a six meters high glass fin and two façade elements that had been installed with hardly visible titanium inserts laminated in between the glass layers. The glass manufacturer integrates the inserts into the multiple laminates with high precision. That makes installing on site easier.
- Printing capabilities with a resolution of 1024 dpi, applied on up to 16m glass during a ceramic process: glass manufactured in such a way appears with color brilliance and a high level of detail even when backlit. Since the colors are fired in the tempering furnace, the print is UV-durable and highly resistant. Visitors at sedak’s stand were impressed by the exhibit in 5.5m x 2.6m.
- The trend using bent glass in architecture demands new production methods. For impeccable glass panes with visual brilliance, sedak further developed the cold-bending of multiple laminates. During the lamination process in the autoclave, only the interlayer between the glass layers melts. After the cooling, the glass keeps its

Absolute precision and accuracy is what is required for the production. The exhibit exemplarily showed a 20mm thick triple laminate in the dimensions 1.3m x 3.7m in a way it had already been installed in a mega-yacht's hull. The glass pane was cold bent during lamination with a rise of 120mm and a diagonal bending line.

65 lines / approx. 2.900 characters

For more information please contact:

sedak GmbH & Co. KG

Tatjana Vinkovic

Phone: +49-821-2494-823

Fax: +49-821-2494-777

Email: tatjana.vinkovic@sedak.com

pr nord. neue kommunikation.

Kerstin Ahlburg

Phone: +49-531-7-01-01-0

Fax: +49-531-7-01-01-50

Email: k.ahlburg@pr-nord.de

Reprint free of charge, copy requested to:
pr nord. neue kommunikation. Braunschweig

Picture Captions

[17-01-BAU_stand_01]

At BAU, sedak proved its competence as manufacturer of oversize glass with exhibits like an elliptical, triple laminate cold-bent during lamination. The stand attracted many interested visitors during the trade fair.



[17-01-BAU_stand_02]

A glimpse into the new IGU „sedak isomax“: The opaque parts are insulated with a vacuum insulation panel. Thus, the glass unit reaches insulation values up to $U_g = 0.23 \text{ W/m}^2\text{K}$.



Thanks to a special quality control system, the gas pressure and therefore the functionality of the unit can be checked.

[17-01-BAU_stand_03]

sedak isomax reaches a U_g -value of $0.23 \text{ W/m}^2\text{K}$ and therefore insulates considerably better than conventional insulating glass. The glass can be designed freely and is available up to $16\text{m} \times 3.2\text{m}$.



sedak GmbH & Co. KG

Leading glass

sedak, the glass manufacturer in Gersthofen, Germany, was founded in 2007. With its 150 employees, the world's leading glass fabricator produces insulating and safety glass in dimensions up to 3.2m x 16m: processed, tempered, laminated, printed, coated, and cold bent. The core capabilities are the lamination of glass, edging, and the company's know-how of producing glass components with additional functional and decorative elements. sedak's production has been optimized for extraordinary glass sizes; the level of automation for such glass dimensions is unique. All finishing steps are handled in-house e.g. with the new, fully automated insulating glass line. As a full supplier for large-size glass units, sedak sees itself as a partner for architects, designers, and façade constructors. Outstanding references are for example the Apple Cube and the Lincoln Center Canopies in New York, the Städel Museum in Frankfurt, and the Tottenham Court Road Station in London.

Applications

- glass façades
- glass roofs
- glass stairs
- glass balustrades
- ship building
- safety glazing
- all-glass constructions
- interior design
- custom-made glass units