

sedak – manufacturer of glass units up to 3.6 m × 20 m.

sedak is a premium manufacturer of oversized insulating and safety glass of exceptional quality. The world's leading glass fabricator produces glass units in dimensions up to 3.6 m × 20 m: processed, tempered, laminated, printed, coated, cold and hot 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 extreme glass sizes; the level of automation for glass of these 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 oversize glass units, sedak sees itself as a partner for architects, designers, and façade constructors.

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sedak isomax[®]
maximum insulation

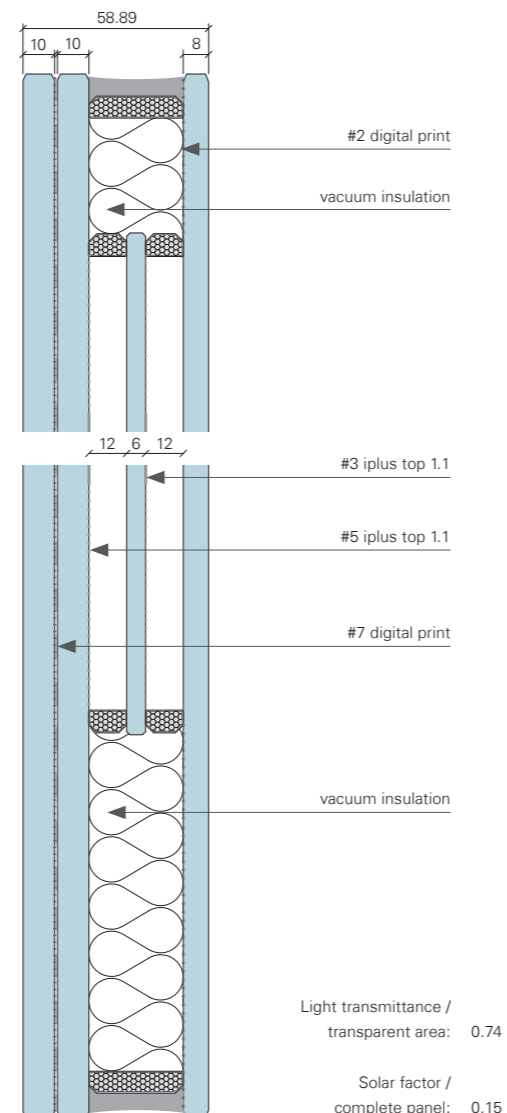
sedak isomax
Ug up to 0.23 W/m²K

slim insulation in maximum formats up to 20 m

sedak isomax® stands for maximum thermal insulation for glass façades. Due to a vacuum insulation panel, the double and triple units achieve thermal insulation values comparable to solid construction. Opaque and transparent areas are flexibly combinable. Thus, energy regulations can be implemented purposefully.

sedak isomax® can be used with common façade systems. That allows for glass façades with minimal thermal loss.

Example glass structure with 30 mm VIP



For the highest demands on insulation performance and quality.

Nowadays, low-e insulating glass is essential for energy-efficient construction. The product range of sedak isomax® meets the highest demands on insulation performance and quality since it stands for maximum thermal insulation and a Ug-value up to 0.23 W/m²K.

That is possible for the vacuum insulation panels in the cavity which have an extremely low thermal conductivity. The core material is vacuum-sealed into a high gas barrier film. The gas pressure and therefore the functionality of the insulation can be checked anytime by a patented quality control system.

Marvellous space saver.

Despite its excellent insulation values, sedak isomax® is as slim as double and triple insulating units and can be used with all common façade systems.

Opaque and transparent areas are combinable flexibly and thus, energy regulations will be implemented purposefully.

sedak isomax® is available in up to 3.6 m x 20 m.

Canvas for architects.

Transparent and opaque areas can be defined almost freely with sedak isomax®. The interior as well as the exterior side can also be designed individually thanks to ceramic inks that are not only UV-durable but also scratch-resistant. Using the digital printing technology, photos, images of materials or textures, and repetitive decorative patterns are possible. A resolution of 1024 dpi guarantees an exceptional quality.

Ug-value depending on transparent areas

