



sedak

## Press Release

### sensational glass exhibits in maximum format

sedak presents imprinted glass laminate and coated, triple glazed insulating glass with a length of 14m

**Gersthofen, 19 January 2015. In only a few years, sedak has become the trailblazer of finishing glass and stands for exceptional quality and extreme pane sizes in the international architecture. On occasion of this year's BAU Munich, the market leader for large-size panes presents further milestones of finishing glass. On the one hand a laminate with the measures of 3.2m x 14m having been finished with the ceramic-ink digital print technology. On the other hand a coated, triple glazed insulating glass in 1.1m x 14m.**

Since the beginning of 2014, sedak has been operating the worldwide largest flat-bed printer for ceramic-ink digital print and thus, offers a completely new scope for design: the new technology delights ever more architects and facade constructors with high precision in the print quality and maximum design flexibility. Due to the digital print technology, the facade becomes a large-size canvas for creative designers.

The print subject is designed at the computer. Modifications are made easily. The design can be reproduced any time. "Designs are defined directly at the computer, processed as requested and sent directly from the computer to the printer without any long and expensive arrangements," explains Bernhard Veh, CEO of sedak. After the printing, the ceramic inks melt permanently with the glass at 600 degrees Celsius in the ESG-furnace.

#### **Architectonical gain**

The new print technology for large-size formats opens up several possible applications. After having been burnt in the furnace, the pane can be processed further to laminated safety glass or insulating glass. The inner surface as well as the exterior one can be designed totally different.

Besides the designing of facades and roofs outdoors, large-size designed panes are used for hotel lobbies, malls or glass floors. Architecture and ambience close ranks.

Due to the extremely resistant print, the digital print technology is also suitable for anti-slip effects on glass floors.

#### **Exhibit with largest ceramic-ink digital print**

Now, at sedak's stand at the BAU Munich, the worldwide largest ceramic-ink digital print can be admired. The exhibit is supposed to not only fascinate because of its size. There is a lot to discover in the print's design. It is supposed to invite to

pace off the pane in its entire size, to test the proximity effect and the long-distance effect.

However, it also shows the role the element "glass" will have for architecture in the future. It will not be just ornamental art but an integral component of the overall system "building" with its functional scope of design. Logically, sedak's unicum shown at the BAU Munich has been developed in cooperation with an architect. Christian Tschersich of LAVA created the screen based on a computer-aided, generative technology.

### **Glass as a part of the over-all building design**

Analogous to the parameterized architecture, the appearance of the scene orientates itself towards the installment location, the position, the size or the cardinal direction. Bernhard Veh explains the exhibit: "More than ever, it was our aim to make glass an organic component of the overall design. The density of pattern repeat, colors and transparency are created in dependence on the architecture. The building and the design become an intelligent, connected unity."

In the comprehensive view, the designs created with the sedak technology stand out due to a coherent design and at the same time, have a strong performance-based variability. The back of the exhibit also shines: it shows a work by Hubertus Hamm, a photographer from Munich. The photo has been alienated due to the interaction with the parameterized design of the front.

### **Coated insulating glass pane in unique size**

A further exhibit sedak presents at its stand is a large, coated insulating glass pane with the format of 1.1m x 14m. Despite of its weight of 1.2t, it has been integrated into the stand in a way that makes it appear hovering. The insulating glass pane contains four 8mm thick tempered glass panes. Two of them have been laminated.

At the beginning of 2015, sedak will start operating its new insulating glass production line for large insulating glasses with measures up to 3.2m x 15m.

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## **About sedak GmbH & Co. KG**

sedak GmbH & Co. KG is a premium supplier of insulating glass and safety glass with maximum formats. As the global leading glass finisher, we provide panes with measures up to 3.2m x 15m: processed, toughened, laminated, imprinted, coated and as insulating glass. Our path-breaking finishing technologies make unique design flexibility attractive for architects, facade constructors and owners. Due to the high level of automation of our production, we can finish large glass panes especially economically. That makes using large glass particularly attractive for facade constructors and builders.

## **Text volume**

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