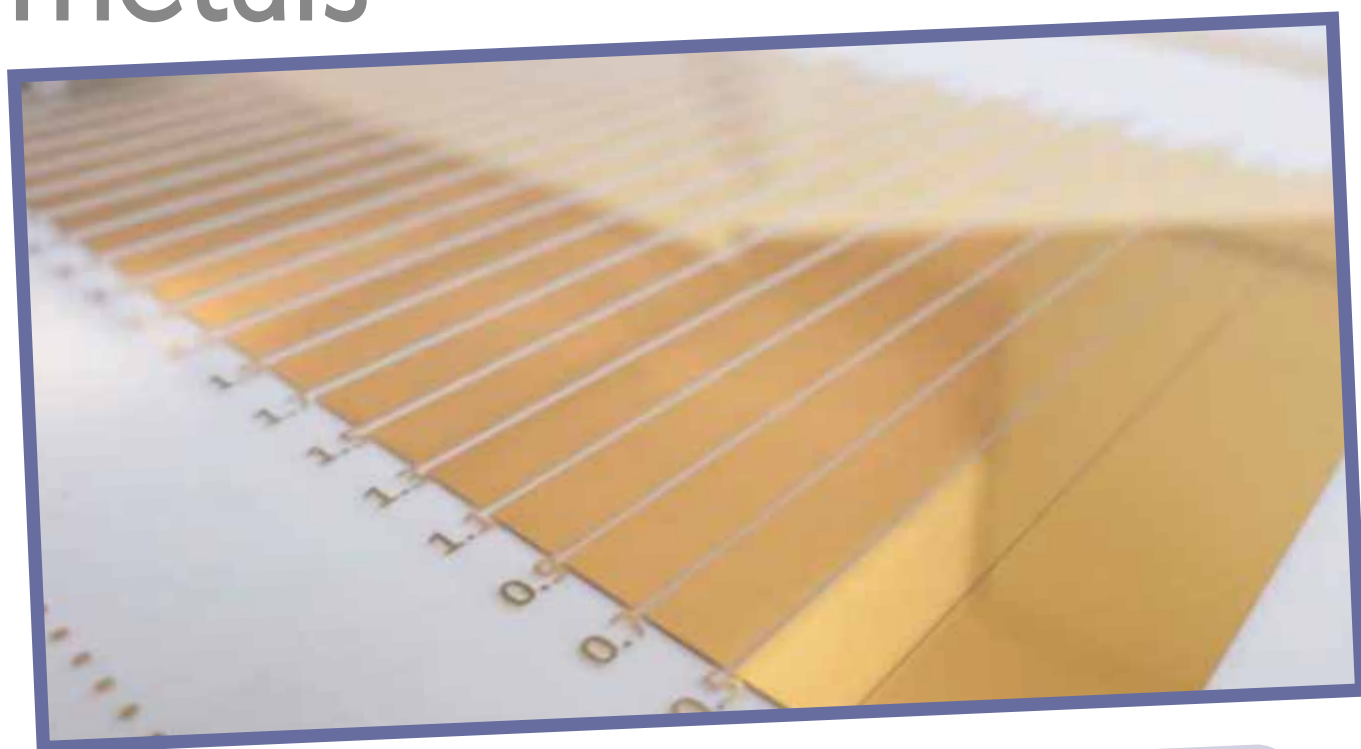


Regal gloss from sedak all in printed precious metals



Whether it's insulating glass, safety glass or even curved panes, the interplay between glass and precious metals creates a spectacle that will never fail to display captivating optical effects. Here the printing process, too, is particularly impressive - allowing for the finest details and filigree structures. Even complex design ideas can be realised with high precision.

Using two materials that have fascinated humankind for centuries, gold onto glass exhibits the elegant radiance of a high-value precious metal while combining the bright transparency of glass. With sedak's new digital printing technology these can now cohabit in a fascinating interaction - yielding a unique and unusual effect that leaves observers enthralled.

CAPABILITIES OF DIGITAL PRINTING

- Prints based on six basic colours
- Resolution up to 1024 dpi
- Colour transitions possible

- Thin lines, concentric circles, dots at different levels of intensity and opaqueness
- Complex, multi-colour grid designs
- Frameless prints



The printing itself takes place upon float glass as yellow or white gold particles are bound together in a special solution before being applied very finely to the glass by a digital procedure. In the tempering process that follows the valuable metal then bonds permanently with the glass.

ADVANTAGES OF DIGITAL PRINTING

- Variable thickness of colour application
- Transparent, opaque as well as multi-layer printing
- Higher saturation due to counter print
- Flexibility thanks to digital technology
- Design easily and cost-efficiently
- reproducible (≠ screen printing)



In order to protect the printed design from environmental influences and mechanical damage -such as scratches- the printed side is placed on the inside of the laminate towards the film interlayer and is thus protected by the glass. From panes with real metal printing, sedak manufactures insulating and safety glass up to 3.3m x 18m. Curved glass too.

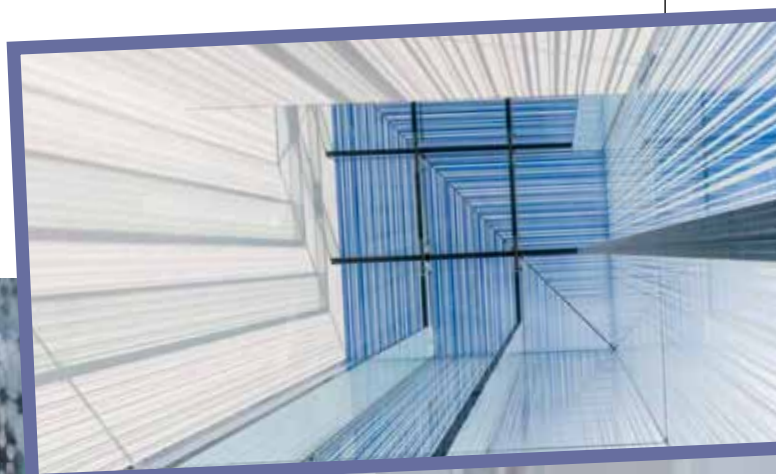
POSSIBLE APPLICATIONS

Decorative:

- Interior design
- Photorealistic designs

Functional:

- Sight protection
- Sun protection
- Printing of serial numbers and barcodes
- Black and white colours are 'Side One' suitable, e.g. for slip prevention on steps



GLASS WITH AMAZING FORMS

Being just one of the company's many success stories, this achievement follows many years of experience, coupled with its supreme technical skills and passion

for glass. Add modern production methods using the latest machinery and the outcome is dependable processing of custom solutions in almost any shape and size - whether as safety glass or insulating glass. sedak works

in partnership with architects and builders, as well as facade and metal fabricators. With its innovative products the company is already making a contribution today to the architecture of tomorrow.

IMAGINATION IS THE ONLY LIMIT

sedak's many years of experience in the processing and treatment of curved and flat glass enables the company to offer full-service glass solutions. Maximum commitment to customer needs, a high degree of flexibility and close cooperation with project partners are the guiding principles for the whole corporate group - guaranteeing market-oriented solutions for apparently impossible requests. All true to the driving concept: 'imagination is the only limit'.

ABOUT SEDAK

Since its founding in 2007, Germany-based sedak has used its pioneering spirit to establish itself as a premium manufacturer of large-format insulated and safety glass. The company has evolved its glass as a construction material for all-glass facades and roofs. iconic facades and buildings are created with an unprecedented degree of transparency thanks to the superior quality of innovative products.

In 2018, sedak further extended its leadership both in competence and technology by acquiring Italian-based sunglass industry - specialist in curved glass. Indeed the two glass specialists stand for uncompromising passion within the group of companies in terms of processing flat and curved glass of optimum quality.

Raw glass is treated, strengthened, laminated, printed, bent and assembled into safety and insulating glass with a unique machinery set spread over a production area that spans 47,000 sqm. With a degree of automation in production, sedak guarantees great reliability, calculability and adherence to delivery dates. A spirit of research, the expertise of 300 employees and the ideas and visions of the company's customers are the driving force behind its continuous further development in glass finishing. Here customers can benefit from all aspects of glass expertise from a single source

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