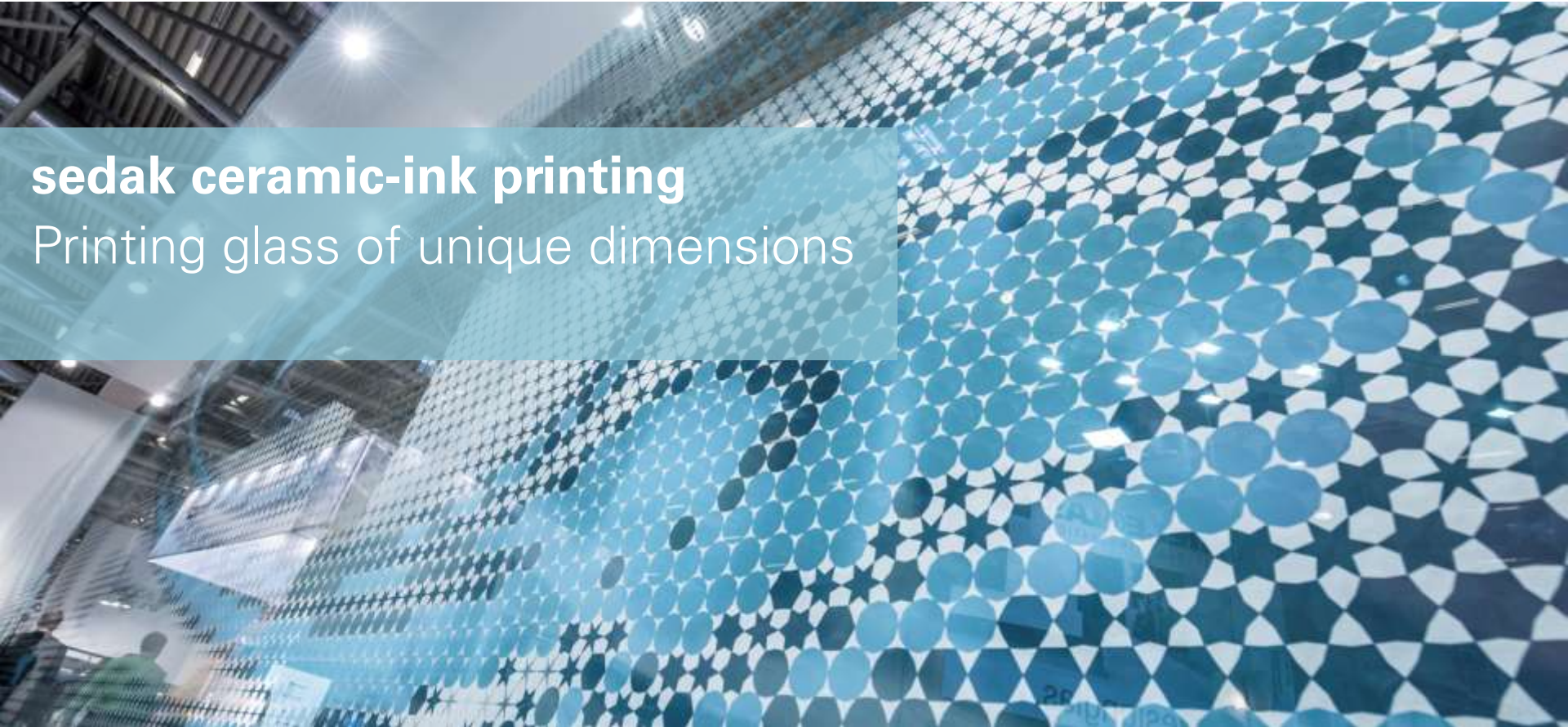


sedak ceramic-ink printing

Printing glass of unique dimensions



sedak printing know-how

Ceramic-ink digital printing or full-coverage roller-coater technique

Colors

The wide color range of ceramic inks contains pre-mixed and digitally mixed colors.

Permanent color brilliance of the facade

UV- and scratch-resistant

Black and white colors are „Side One“ suitable, e.g. as colors that prevent slipping.



sedak printing know-how

Ceramic-ink digital printing or full-coverage roller-coater technique

Durability

Sub-micron glass frits and natural pigments are bonded to the glass during the tempering process giving ceramic inks an unmatched resistance to scratching, UV radiation and the weather.

Sustainable Architecture

The ceramic inks are non-toxic in its liquid and printed form making the glass fully recyclable.



roller coater
printing options



roller coater

Capabilities of the ceramic roller coater

Full-coverage and single-color printing

Very homogeneous ink application

Opaque quality possible

Application e.g. with:

- roofs or canopies (sun protection)
- counter prints



printing

Facts & figures

roller-coater printing (Cefla Large)

max. size	3300mm x 20000mm	130in x 787in
thickness glass	6mm - 19mm	
thickness coating	Approx. 60 μ wet coating thickness	
colors	ceramic ink, heavy-metal free, metallic available	

printing

Facts & figures

Roller-coater printing (Cefla Small)

max. width	12000mm	472in
thickness glass	6mm - 19mm	1/4in - 3/4in
rollers	engraved roller	
colors	ceramic ink, heavy-metal free, metallic possible	

Edge-Coater

max. width	600mm	23in
thickness coating	80 μ - 120 μ (wet coating thickness)	



digital printing
printing options

digital printing

Capabilities

Prints based on six basic colors

Resolution up to 1024dpi

Color transitions possible

Thin lines, concentric circles, dots at different levels of intensity and opaqueness

Complex, multi-color grid designs

Frameless prints



digital printing

Advantages / strengths of digital printing

Variable thickness of color 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 (\neq screen printing)



digital printing

Possible applications

Decorative:

- Interior design
- Photorealistic designs

Functional:

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



digital printing

Facts & figures

Ceramic-ink digital printing

max. size	3300mm x 18000mm	130in x 709in
max. thickness	6mm - 19mm	1/4in - 3/4in
max. weight	2822kg	6221lbs
type of color	ceramic ink, heavy-metal free	
coating	6 μ m – 80 μ m	
precision	\pm 20 μ m/m	

digital printing

Facts & figures

Ceramic-ink digital printing

tolerances printing size	± 2mm (8mm - 9000mm); ± 4mm (9000mm - 18000mm)
colors	6 basic colors: RAL 9005, RAL 9010, RAL 3009, RAL 6001, RAL 5005, RAL 1016 digital mixtures, side one colors in black and white
application area	interior/exterior
picture formats	PDF, PS, EPS, AI, TIFF, BMP, JPEG, DXF
printing resolution	max. 1024 dpi



digital printing
possible applications

double vision

Sun protection from inside – sight protection from outside

Two print layers lying exactly on one another for in diverse colors or gradients.

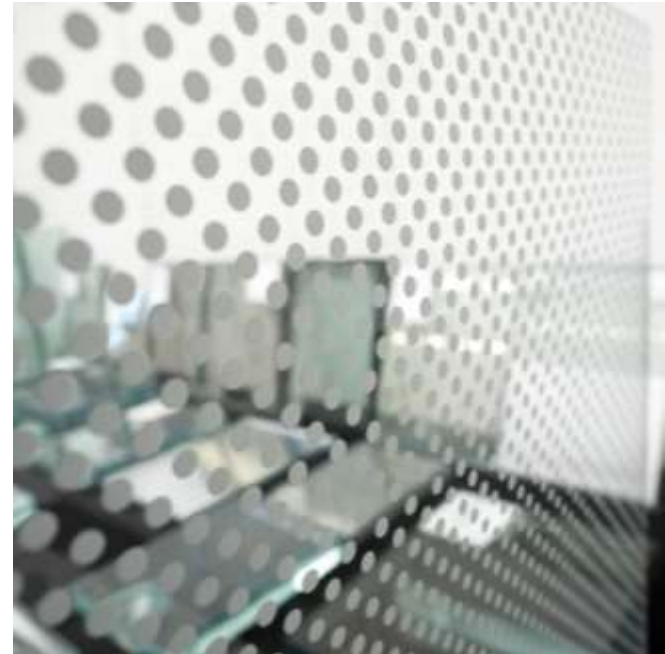
Basic pattern freely designable

Different appearance:

e.g. dark dots on the inside for a hardly noticeable sun and glare protection; light-color dots on the outside for sight protection inwards

sedak capabilities:

- Precise positioning before each of the two printing runs
- Double-vision technology in different patterns and colors



House of European History, Brussels

Glass expansion of a historic building



decorative application

Digital print as etching imitation



decorative application

Real stone Imitation: cost-efficient and weight reducing



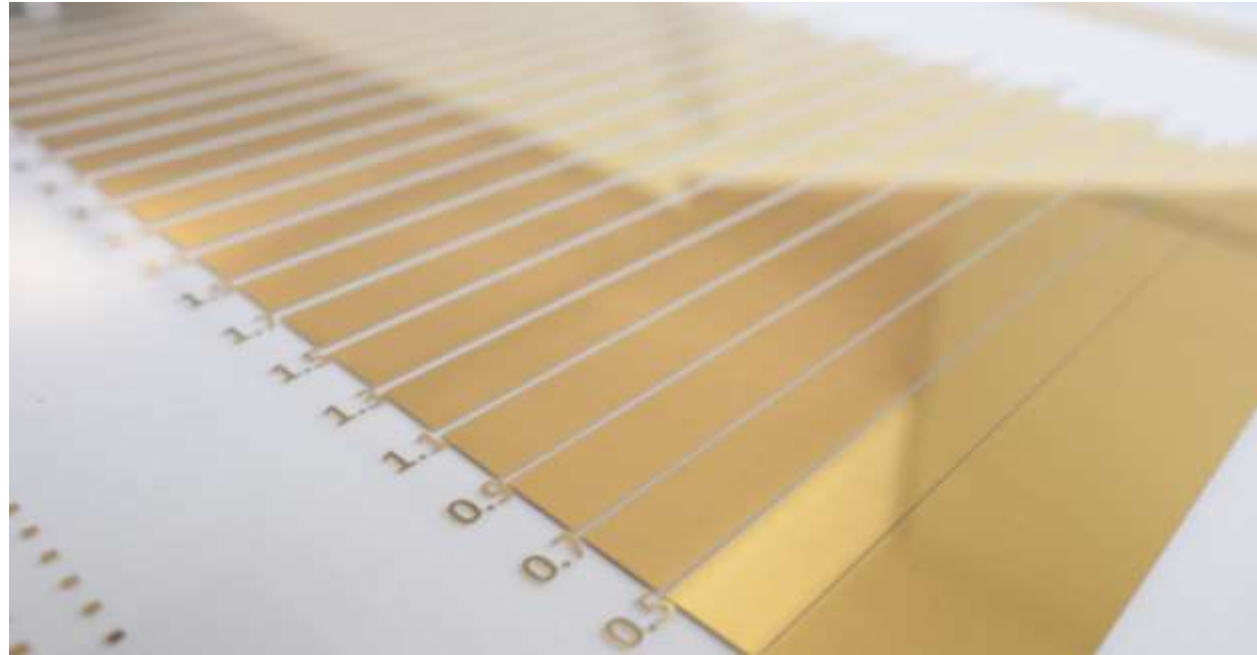
decorative application

Writing for a creative facade design



decorative application

Printing with real silver and real gold



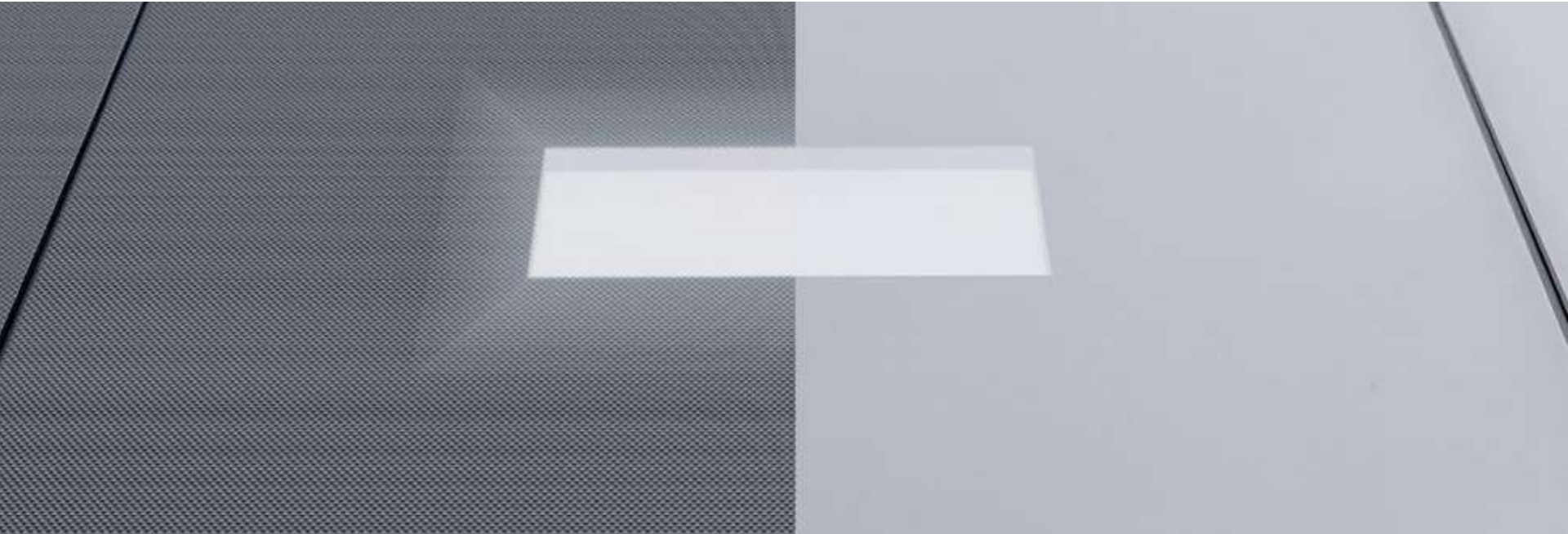
functional application

Dot grid for sight protection



industrial facade

Reducing solar radiation



medical sector

decorative: photo-realistic printing for an ICU



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