



**ISOLAR**  
DEKOREX®



**INDIVIDUAL GLASS  
DESIGN FOR  
THE INTERNAL  
AND EXTERNAL  
APPLICATION**

**ISOLAR®  
GLAS**

**MEHR AUS GLAS**

**COLOURFUL, REFLECTIVE, SIMPLE – INDIVIDUAL GLASS DESIGN ACCORDING TO YOUR WISHES. WITH DEKOREX® YOU CAN CREATE YOUR OWN EXCLUSIVE DESIGNS FOR YOUR WINDOWS, FACADES OR INTERIOR APPLICATIONS.**

## ■ A GLASSY PERFORMANCE

Bright rooms, sufficient sun protection and optimally insulated buildings no longer mean that only monotonous transparent glass has to be used. The customer's desire for individualisation of products does not stop at the glass industry. With our DEKOREX® product family, we make it possible for you, for example, to refine classic thermal insulation or solar control glass with individually created designs or to adapt interior glazing to your architecture and interior design.

Depending on the application, we offer different design variants and manufacturing processes with which we can implement all customer requirements. It is entirely up to you whether the glass surfaces of your windows, facades, conservatory glazing or privacy screens should be unusual and extravagant, or rather timeless. All products from our product family – consisting of DEKOREX® decodesign, DEKOREX® screen print and DEKOREX® digital print – always make a glassy performance.



DEKOREX® decodesign as part of a shower cabin.

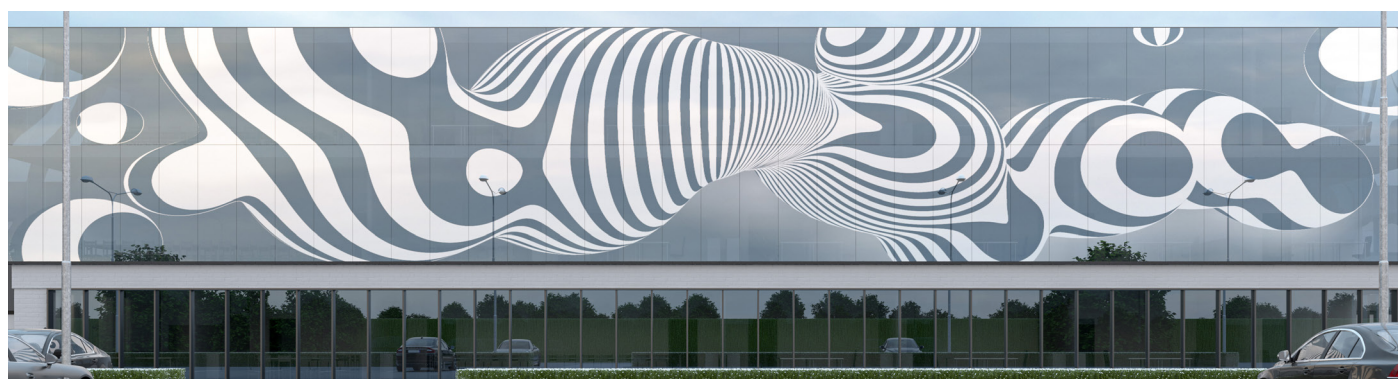
## ■ MIRROR, MIRROR

With DEKOREX® **decodesign**, there is no limit to your design wishes. The metallic reflective coating can be partially applied to the glass according to your taste – whether fancy patterns, flowery ornaments or simple lines. You can choose between the colour variants decochrome, decogold and decocopper. No matter which variant you choose, your DEKOREX® decodesign glasses are sure to be an eye-catcher. The reflective layer can be applied to thermally treated glass (toughened safety glass, heat strengthened glass) and the chrome and gold variants are also available as non-tempered float glass.

The decodesign versions are also available in combination with laminated safety glass to suit your ideas. The surface mirror is resistant to abrasion, acid, condensation water and salt spray in accordance with EN 1096-2 Class A and can therefore be used without any problems indoors and outdoors – from shower cabin to impressively designed glass facades.



DEKOREX® decodesign as a dividing element in a hotel foyer.



You can also design entire facades according to your wishes with DEKOREX® decodesign.

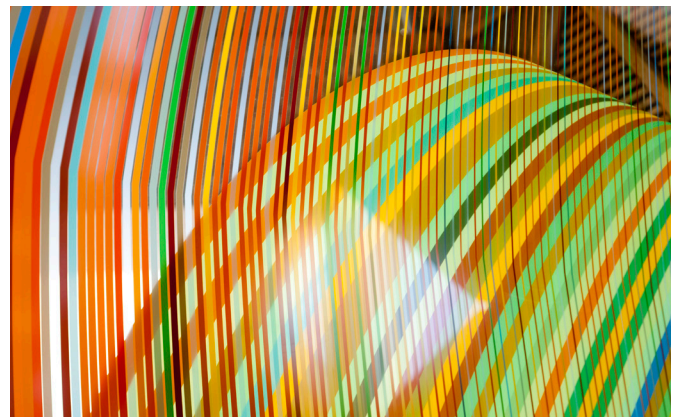
## ■ WOULD YOU LIKE SOME COLOUR?

With our **DEKOREX® screen print**, you can have glass panes printed all over or partially. For this purpose, the glass is printed with ceramic ink using the screen printing process. The colours are permanently burnt into the glass surface at 650° C during the tempering process. This process makes the glass more temperature and impact resistant and the paint enormously weatherproof, abrasion and scratch resistant as well as UV-stable – the optimum properties for indoors and outdoors. A wide range of colours and patterns are possible with this process, allowing you to decorate your windows, facades, partition walls entirely according to your wishes and ideas.

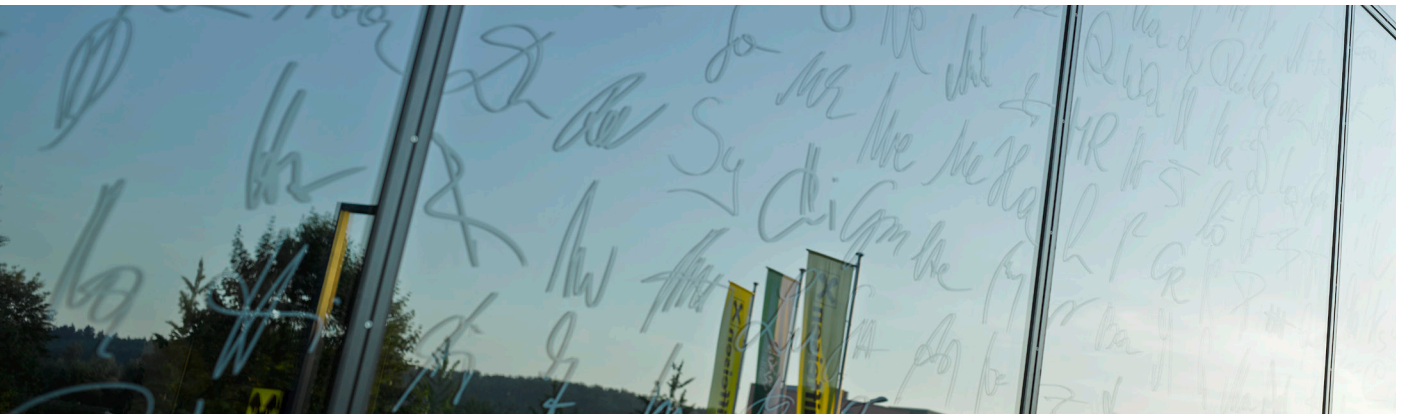
Let your creativity run wild with **DEKOREX® digital print**. In the digital printing process, the colour for individual images, photos or designs is applied directly from the PC to the glass. The colours are permanently burnt into the glass surface in a subsequent tempering process in the oven, making them extremely scratch-resistant. All common file formats such as PDF, JPG or EPS with a resolution of at least 300dpi are suitable for printing. Compared to the screen printing process, no screens have to be produced for printing. Digital printing is therefore suitable for small quantities or even individual pieces. As for the previous mentioned processes the application extends to indoor and outdoor areas.



DEKOREX® screen print at the Wehrhahnlinie in Düsseldorf, Germany.



DEKOREX® digital print at the University Exeter, Great Britain.



If you don't like it so colourful and exciting, plainly designed glasses also ensure an exclusive appearance, like at the multifunctional centre in Raaba.

### DESIGN GLASS – THE MOST IMPORTANT ADVANTAGES

- Individual glass design according to customer requirements
- The right process for every application
- Large quantities or individual pieces possible
- Optimised product properties for interior and exterior use

## TECHNICAL DETAILS AT A GLANCE

Product name	Glass construction Outer/Cavity/Mid/Cavity/Inner	EN 673	EN 410					EN ISO 717-1	Thick-ness	Weight
		U <sub>g</sub> -Value	Light Transmission	g-Value	Light Reflection external	Light Reflection internal	Colour Rendering Index R <sub>a</sub>	Sound insulation R <sub>w</sub> /C <sub>tr</sub>		
	W/(m <sup>2</sup> K)	%	%	%	%		dB	mm	kg/m <sup>2</sup>	
DEKOREX® decodesign chrome (30% Cov.) / <sup>1)</sup>	6:	5,2	64	66	20	24	99	32	6	15
DEKOREX® decodesign chrome (70% Cov.) / <sup>1)</sup>	6:	4,6	30	37	37	45	100	32	6	15
DEKOREX® decodesign gold (30% Cov.) / <sup>1)</sup>	6:	5,2	63	65	18	15	99	32	6	15
DEKOREX® decodesign gold (70% Cov.) / <sup>1)</sup>	6:	4,5	29	35	32	24	98	32	6	15
DEKOREX® decodesign copper (30% Cov.) / <sup>2)</sup>	6:	5,2	63	65	14	15	99	32	6	15
DEKOREX® decodesign copper (70% Cov.) / <sup>2)</sup>	6:	4,4	29	36	23	23	98	32	6	15
DEKOREX® decochrome / <sup>1)</sup>	6:	4,0	5	16	49	61	90	32	6	15
DEKOREX® decogold / <sup>1)</sup>	6:	3,8	2	12	42	31	84	32	6	15
DEKOREX® decocopper / <sup>2)</sup>	6:	3,8	3	13	29	30	91	32	6	15

1) Optionally heat-treatable. 2) Must be toughened to fully toughened glass/heat strengthened glass. | Cov.: Degree of coverage – coated area percentage.

### AVAILABILITY AND COMBINATIONS:

- DEKOREX® decodesign available on basic float, fully toughened glass, heat strengthened glass and laminated safety glass
- DEKOREX® screen print/digital print available as fully toughened glass/heat strengthened glass or laminated safety glass consisting of fully toughened glass/heat strengthened glass
- All constructions available as alarm glass
- Can be combined with all thermal insulation and solar control coatings



### CLEAR BENEFITS WITH ISOLAR®

ISOLAR® is one of the largest associations of independent insulating glass manufacturers in Europe with members from twelve countries. Thanks to the close cooperation within the group, our products are constantly optimised and new developments are driven forward. You will find an ISOLAR® partner in your area as well, who will support you as an experienced full-range supplier with comprehensive consulting expertise and who will supply you with high-quality functional glass for windows and façades.



Heat insulation



Solar control



Bird protection



Design



Fire protection



Radio transparency



Sound insulation



Attack resistance



Safety glass



Fall protection

### WE'RE HERE TO HELP.

ISOLAR Glas Beratung GmbH is your competent partner when it comes to glass. We turn your wishes into clear solutions. Ask us.

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[www.isolar.de/en](http://www.isolar.de/en)

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