



# VITRALUX

BRADTKE - depuis 1865



**Lundi – Vendredi**  
08:00 – 17h00



+352 49 42 52



info@vitralux.lu



www.vitralux.lu



13, Rue Daniel Grün  
L-5315 Contern





**arcon®**  
Decorative glass



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

COLOURFUL, REFLECTIVE, SIMPLE – INDIVIDUAL GLASS DESIGN ACCORDING TO YOUR WISHES. WITH DECORATIVE GLASS BY ARCON® 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 decorative glass products, 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 arcon® decodesign and arcon® decopaint – always make a glassy performance.



decodesign as part of a shower cabin.

## ■ MIRROR, MIRROR

With **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 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.

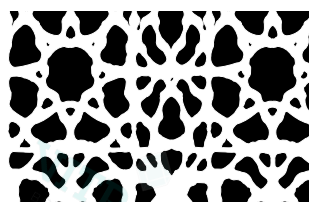
The decodesign versions are also available in combination with laminated safety glass to suit your ideas. The surface mirror is resistant to abrasion, acid, condensation water and salt spray in accordance with EN 1096-2 Class A and can therefore be used without any problems indoors and outdoors – from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



decodesign as a glass railing in a hotel corridor.



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



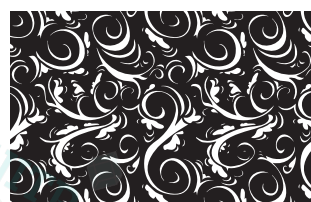
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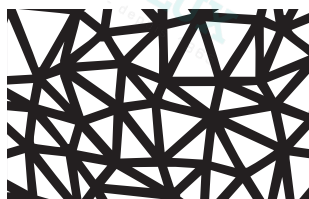
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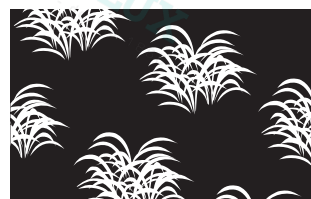
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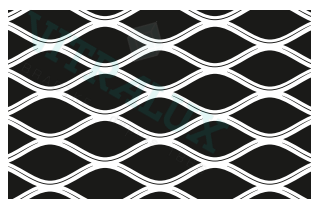
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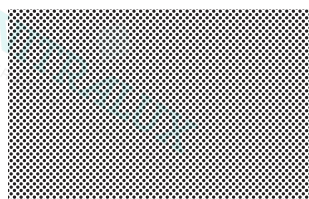
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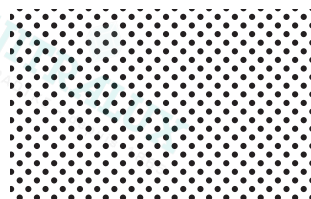
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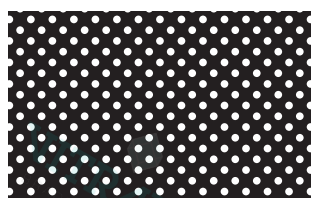
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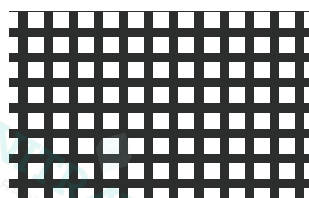
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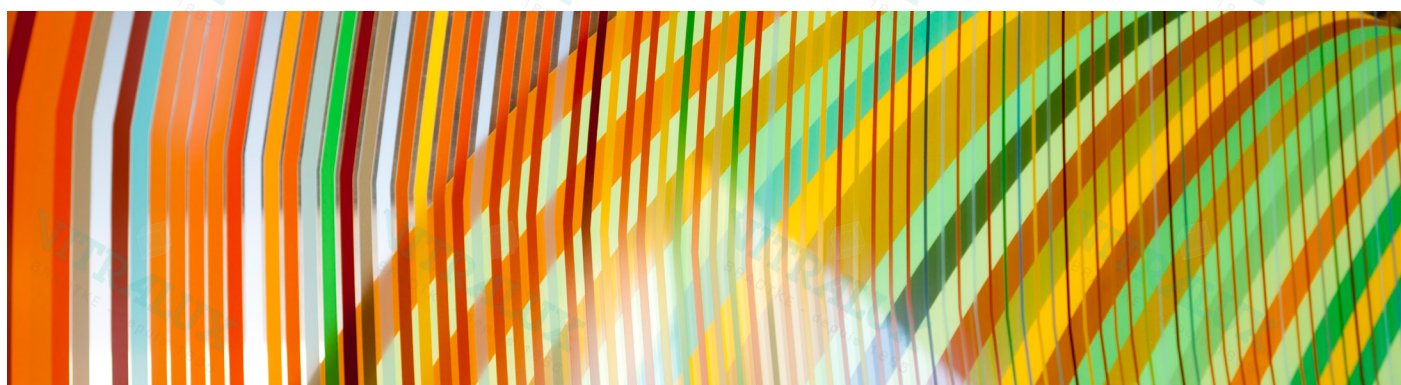


#4001

## ■ WOULD YOU LIKE SOME COLOUR?

Let your creativity run wild with **arcon® decopaint**. 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 previously mentioned processes the application extends to indoor and outdoor areas.



decopaint at the University Exeter, Great Britain.

### 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            | EN 673                | EN 410             |         |                           |                           |                                       | EN ISO 717-1                                       | Thick-ness | Weight | heat treatable/bendable |
|---------------------------------------------|-------------------------------|-----------------------|--------------------|---------|---------------------------|---------------------------|---------------------------------------|----------------------------------------------------|------------|--------|-------------------------|
|                                             | Outer/Cavity/Mid/Cavity/Inner | 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/C <sub>tr</sub> |            |        |                         |
|                                             |                               | W/(m²K)               | %                  | %       | %                         | %                         |                                       | dB                                                 |            |        |                         |
| decodesign chrome (30% BDG) / <sup>1)</sup> | 6:                            | 5,2                   | 64                 | 66      | 20                        | 24                        | 99                                    | 32                                                 | 6          | 15     | yes                     |
| decodesign chrome (70% BDG) / <sup>1)</sup> | 6:                            | 4,6                   | 30                 | 37      | 37                        | 45                        | 100                                   | 32                                                 | 6          | 15     | yes                     |
| decodesign gold (30% BDG) / <sup>1)</sup>   | 6:                            | 5,2                   | 63                 | 65      | 18                        | 15                        | 99                                    | 32                                                 | 6          | 15     | yes                     |
| decodesign gold (70% BDG) / <sup>1)</sup>   | 6:                            | 4,5                   | 29                 | 35      | 32                        | 24                        | 98                                    | 32                                                 | 6          | 15     | yes                     |
| decodesign copper (30% BDG) / <sup>2)</sup> | 6:                            | 5,2                   | 63                 | 65      | 14                        | 15                        | 99                                    | 32                                                 | 6          | 15     | yes                     |
| decodesign copper (70% BDG) / <sup>2)</sup> | 6:                            | 4,4                   | 29                 | 36      | 23                        | 23                        | 98                                    | 32                                                 | 6          | 15     | yes                     |
| decochrome / <sup>1)</sup>                  | 6:                            | 4,0                   | 5                  | 16      | 49                        | 61                        | 90                                    | 32                                                 | 6          | 15     | yes                     |
| decogold / <sup>1)</sup>                    | 6:                            | 3,8                   | 2                  | 12      | 42                        | 31                        | 84                                    | 32                                                 | 6          | 15     | yes                     |
| decocopper / <sup>2)</sup>                  | 6:                            | 3,8                   | 3                  | 13      | 29                        | 30                        | 91                                    | 32                                                 | 6          | 15     | yes                     |

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:

- Production possibilities decodesign
- Available as 6,000 x 3,210 mm
- Oversizes up to 12,000 mm on request
- Available as laminated safety glass or can be processed into laminated safety glass
- Glass with coating is thermally bendable
- No restrictions on the edge processing of the glasses
- All constructions available as alarm glass
- Can be combined with all thermal insulation and solar control coatings



## CLEAR BENEFITS WITH ARCON®

arcon® is one of the leading glass finishers in Europe. The product portfolio includes top products in the field of coated architectural glass such as high-performance thermal insulation coatings, solar control coatings and other special glasses. These include, for example, bird-friendly glass with transparent or metallic markings, radio-transparent thermal insulation glass and decorative glass coatings in metallic designs individually tailored to customer requirements. As a member of the Arnold Glas Group, we are able to exploit synergies for our customers. In addition to the arcon® range of services, this cooperation enables us to offer complete solutions from insulating glass to façade construction.



Heat insulation



Solar control



Bird protection



Design



Radio transparency



Sound insulation

### WE'RE HERE TO HELP.

As part of the Arnold Glas Group, arcon® is your competent partner when it comes to flat glass finishing. We turn your wishes into clear solutions. Ask us.

arcon Flach- und Sicherheitsglas GmbH & Co. KG  
Industriestraße 10 | D-91555 Feuchtwangen | +49 9852 6700-0  
Am Amselberg 4 | D-07751 Bucha | +49 3641 2845-0  
info@arcon-glas.de | Version 04/2022



[www.arcon-glas.de/en](http://www.arcon-glas.de/en)

**arcon**  
perfection in glass



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BRADTKE - depuis 1865