ertex digi4Cprint

Safety glass with custom design

ertl-glas.at | egger-glas.at

ertex CERAMIC DIGITAL COLOUR PRINTING ON GLASS IN XXL FORMAT

The most emotive moments in colour for years to come. A decorative product made by applying ceramic colours onto tempered glass (ÖNORM EN 12150) or thermally toughened glass (ÖNORM EN 1863).

DOWNLOAD

Built with safety

ertl glas

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Safety glass with custom design

From design to implementation

Opaque partition wall made of tempered glass in the bathroom facilities of an educational institution in the tourism and hotel sector.

Technical Data

ertex digi**4c**print

- **GLASS thicknesses:**
  4 mm to 19 mm
- **Production sizes:**
  200 x 300 mm
  to 5900 x 3000 mm
  (Oversize dimensions on request)
- **Aspect ratio:**
  max. 1:20
- **Colours:**
  4c (ceramic glass paints)
- **Print quality:**
  up to 1440 dpi

Production options

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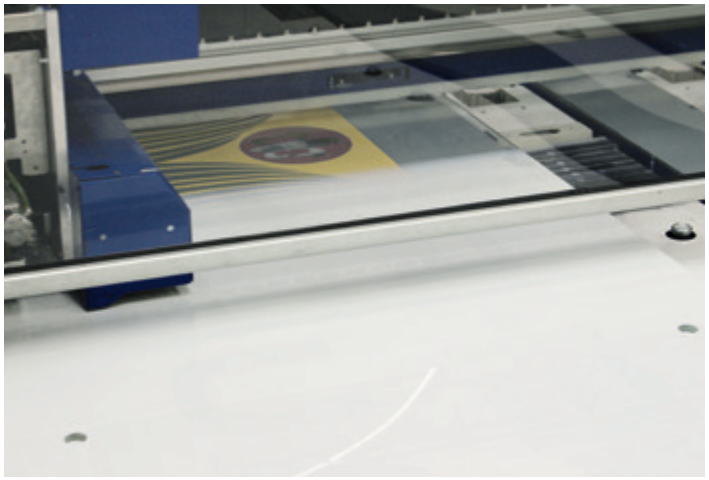
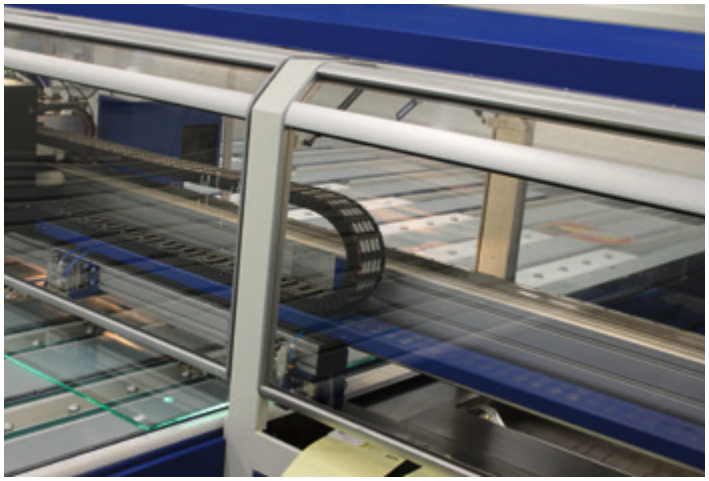
Definition: Produced in a digital printing process

The data file is first checked in the pre-press stage and is then printed directly onto the glass surface. In the subsequent thermal process, the glass paint (enamel) is melted into the glass surface. As a consequence, these refractory paints form an integral part of the glass surface.

Benefits: Safety and colour stability

ertex digi**4c**print is manufactured under controlled tempering process conditions. As a result, either tempered glass or thermally toughened glass as per applicable standards can be produced. The painted surfaces are moisture-resistant, scratch and abrasion-proof, and resistant to acids and fading. Due to the low printed layer thickness, compounds with laminated safety glass intermediate layers are technically possible.





Function and technology

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Vector print

- Texts in common fonts
- Fonts with 3D effect
- Logos and figurative marks
- Colour gradient patterns (dots, lines, squares, etc.)

Basic glass

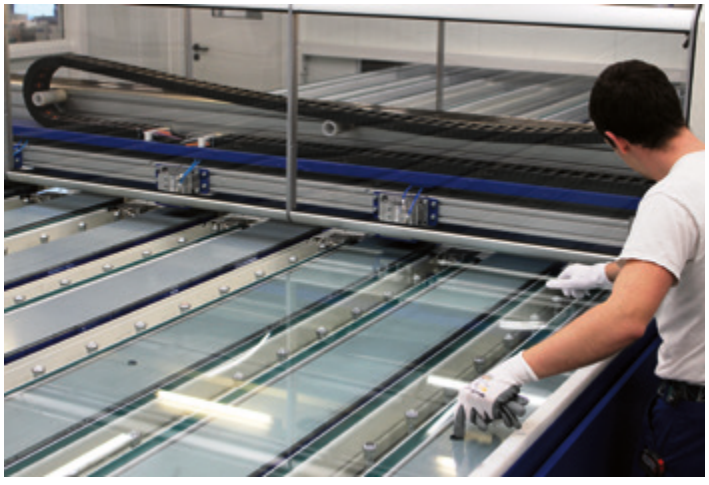
- Float glass, colourless, uncoated
- Float glass, coloured (colour applied within the glass itself)
- Float glass with hard coating (digi4cprint on uncoated surface)
- Basic glass, etched in industrial serial production

Design printing

Simple design printing:
A digital graphic (photo) is applied to the glass surface in a 1:1 ratio. The design is always viewed through the glass.

Opaque design printing – design only viewed from one side:
A white background is created in an additional printing step.

Please note that the glass will already appear translucent with low edge light.



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Application

- For decorative purposes in interior spaces (discreet areas)
- As a wall covering or partition wall with your favourite design
- For display and guidance systems indoors and outdoors
- For large-scale adverts
- For branding (company logo) and corporate design purposes in XXL format
- For glass contrasting (barrier-free construction)
- For bird-friendly buildings
- All areas calling for photorealistic illustrations on glass without compromises

Technical requirements

Digital graphic data in the following file formats: PDF, Tiff, JPEG (other file formats by arrangement), resolution at least 300 ppi.

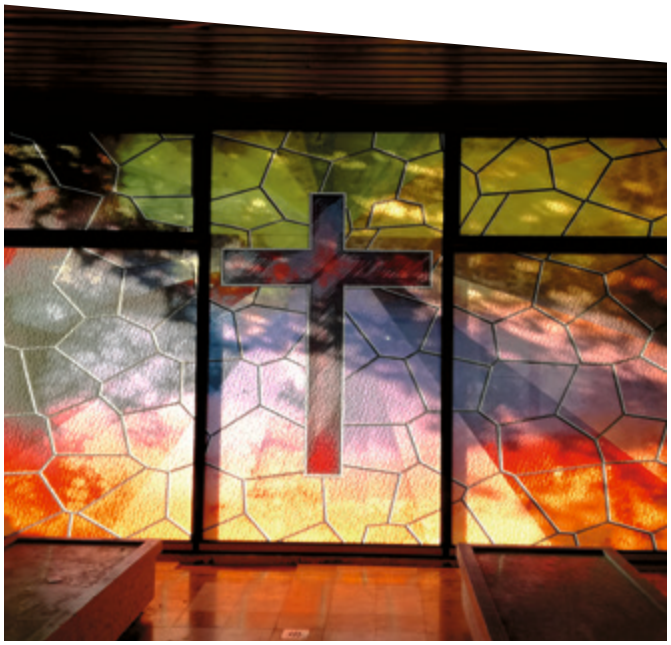
Vector graphics can be adapted to the desired print display sizes while maintaining the aspect ratio. The computer will convert the colours into the “digi4cprint” system.

As well as the 4c colour system, white and green are also available. Mixed colours (e. g. RAL-coordinated colours) do not have a homogeneous appearance. In this case, 1:1 sampling is required (NOTE: additional costs!).

The digital printing process is especially suitable for complex, multi-colour grid designs or images. Depending on the selected colour, the applied paint layer appears either opaque or translucent.

ERTL GLAS AG will check all attached print files for suitability.

The print side (colour side) must not be exposed to the weather.



Application Examples

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ertex digi**4c**print safety glass provides an individual touch to any application.

There are no limits to your creativity.

Design your safety glass where and how you like.

www.LuckyPrinter.at

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