

Specialist Toughened Glass - The Professionals Choice

# Printed Glass

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- ◇ Etch Effect
- ◇ Signs
- ◇ Shower Glass
- ◇ Partitioning
- ◇ Bespoke



Printed

stg specialist  
toughened  
glass

A SEAGLAZE COMPANY

# Introduction to Printed Glass

Specialist Toughened Glass (STG) was the first company in the UK to own a state of the art digital printer capable of printing ceramic based inks straight on to the face of a piece of glass before toughening.

The printer is capable of printing not only single, solid colour borders (including pure black and pure white) but full colour, vibrant imagery as well.

By working with the latest software that allows us to open most graphical file types, we can approach projects of all kinds and convert them in to print friendly designs which will remain colour accurate and sharp even at larger dimensions.

Our friendly and approachable design team have collected a multitude of images together that can be guaranteed to come out at the best quality, though we can also advise you should you decide to send your own images in for us to test and print.

Samples can be made for personalised prints so you can get an idea as to how good a sent in print will be before we begin printing it at the correct size .

The ceramic ink we use is highly scratch resistant, UV Proof and weather proof after the ink is toughened in to the face of the glass, unlike most film based designs, ceramic prints will never fade and if the print is inside a laminated pane there is no chance of damaging it at all unless the entire pane shatters.



## Full Colour Imagery



By using all 7 of our colour channels we are able to produce colour imagery at 1440dpi, a resolution high enough to keep images looking crisp and clean even on the largest pieces of glass for your projects.

We are able to print images on glass up to 2.7m in length by 1.3m in width with a maximum glass thickness of 25mm. In order to get the most vibrant finish we highly recommend printing images on to our special "opti-white" glass which is colour neutral unlike standard "clear" glass which has a slight green tint .

Colour prints produced this way can be used in a variety of ways including:

- ◇ Feature walls, room dividers and showroom glass
- ◇ Decorative displays for public areas that are highly resistant to wear and tear
- ◇ Balcony Glass, balustrades, shower glass, table tops and surfaces
- ◇ Shop front displays



If you have a bespoke, one-off project in mind, don't hesitate to enquire with us. We are more than happy to take on small projects from table mats for your dining table to full scale working glass skateboard decks! If you don't ask you will never know how easy it could be to bring your project to life.

# Etch Effect Printing



Through a carefully designed method we produced in house through R&D we are able to provide white prints that resemble the silvery look achieved through chemically etching or sandblasting the surface of a piece of glass.

As standard, an etch print will be quite thin at around 20 microns, though by using this method it will be as close to a real sandblast / etch design as possible. Thicker print densities are available (40 & 60) though the design will become significantly more white the higher the micron density is increased.

Patterns, solid shapes, images and typography can all be printed as an etch effect design with the varying layers of the design representing variable levels of opacity. This effect works really well with table place mats and wedding plaques and can be used as a everlasting memento of a special occasion elegantly and permanently captured in glass.

The clean, modern look of etch effect glass would look very professional in a meeting room or an office when printed on glass wall dividers or even as a surface for your conference table.



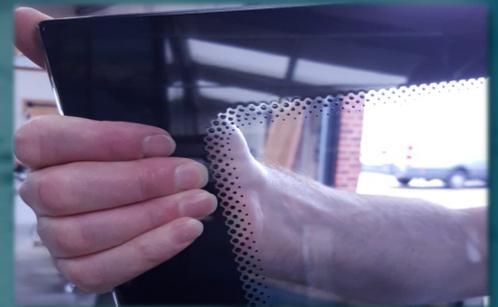
## Printed Borders

Solid printed borders are the most common print type requested by our customers with the most common colour being black. All our borders are printed between 60-80 microns and at that density we can guarantee that no light will pass through the printed section of the glass, even if the design is not bonded/placed against another object.

The bonded ink is so durable that sealants can be used directly on it to attach it to the side of a structure, wall or frame without the fear of it peeling or decaying many years later.

Custom made frit designs can be created for all our printed borders with a minimum dot size diameter of 0.25mm. Radius corners can be designed on request as well with the frit design following the curved edge as precisely as possible (minimum 10mm radius)

Should you require a specific colour for your borders we are able to acquire most pantone and RAL colours pre mixed in order to achieve the closest colour match without manual testing or a loss in density and colour consistency. Please take note that custom colour borders have additional costs due to additional labour and maintenance that is required to print a pre mixed colour in one of our custom channels, white or black borders do not require this additional cost.



## Specialist Toughened Glass Ltd

*Specialist Toughened Glass Ltd*, our new in-house glass processing plant, provides customers with high quality and complex glazing products to tight deadlines and demand.

By providing CNC, Drilling, Laminating, Printing & Toughening processes in-house we can now offer a quicker turnaround and a superior quality product at a reduced cost.

Services we offer:

- ◇ Toughened Glass (EN12150 & ISO614 Classification)
- ◇ Laminated glazing / safety glass for balconies, balustrades and marine grade 1 glass positioned at water level.
- ◇ High resolution printed glass from placemats to room partitions, shower glass and feature wall decorations using ceramic based ink.
- ◇ Marine Glazing with ceramic black borders and dot fade patterns. Glazing can be bonded straight on to the print and provides UV Protection to the sealant.

### ***Part of the Seaglaze Group***

**Tel:** +44 (0) 1603 263130

**Fax:** +44 (0) 1603 721770

**Email:** [sales@stglass.eu](mailto:sales@stglass.eu)

**Web:** [www.stglass.eu](http://www.stglass.eu)

*Specialist Toughened Glass*

*Wendover Road*

*Rackheath*

*Norwich*

*Norfolk*

*United Kingdom*

*NR13 6LH*

**stg** specialist  
toughened  
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