CREATIVE MIRROR & Shower

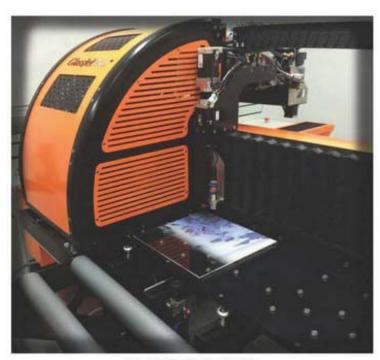# Ceramic Digital Print on Glass

Information & Specifications

About Ceramic Digital Print:

Ceramic frit is *applied directly onto the glass* surface using software to convert digital images into ceramic print, which are then *permanently fused to the glass during our in-house tempering process.*

* Artistic Expression * Architectural Design * Custom Logos, Photos, and More! *

Once tempered the ceramic frit is permanently bonded to the glass surface and is as *resistant to abrasion & chemicals* as the glass surface itself, making it *suitable for a variety of interior and exterior applications.*

The Machine During Printing

Final Prints on Display

Our digital prints begin as files sent to us by the customer. Capable of printing high quality, realistic photographic images and graphic designs allows for countless creative possibilities making the glass canvas more versatile, functional, and innovative than ever!

* Minimum Size: 12" x 12" * Maximum Size: 95" x 130" *

What File Formats Should be Submitted?

Vector and Raster files are both acceptable formats for processing an image, however it should be noted that the quality of the print varies greatly depending on the quality of the original file sent over. Images that appear clear may lose quality when blown up to a larger scale or when scaled down. To ensure the best quality of your print, be sure to check the quality of a file before submitting. Typically, ***the higher the resolution, the higher the quality of the print***. If the image appears grainy or pixelated before you submit it, it will print even more grainy and pixelated on the glass.

Vector Files:

     Vector files are line art, defined by mathematical equations that always render at the highest quality. Vector files are scalable to any size without losing resolution, so the image will stay clean and crisp. Vector files are relatively small and are typically easy to send electronically. ***Vector files are preferred, whenever possible.***

     • EPS (CS5 or lower), PDF, AI (CS5 or lower), DXF

> **Acceptable File Formats for Printing:**
> - EPS (Encapsulated Post Script)
> - AI (Adobe Illustrator)
> - PDF (Adobe PDF)
> - PSD (Adobe Photoshop)
> - JPG (High Resolution JPEG)
> - TIFF (High Resolution TIFF)
> - BMP (Bitmap Image File)
> - DXF

Raster Files/ Bitmap Images:

     Raster files, or bitmap, are pixel based images; raster files are considered "lossy" meaning that they may lose data and image resolution, becoming blurry and pixelated when enlarged. Raster files can also be large, often requiring the use of a file sharing program in order to submit files. ***Raster files are resolution dependent, so it is recommended that the image has a minimum resolution of 100-300 dpi. Typically, the higher the resolution, the higher the quality of the print.***

     • **PSD (CS5 or lower), JPG, JPEG, TIFF, BMP**

Please send all files in an editable format, if possible.

Since quality prints depend on the quality of the file,
We recommend that files have a minimum resolution of at least 150 DPI.

• **100% scale (full size output) at 100 dpi • 50% scale at 200 dpi or higher •**
• **25% scale at 300 dpi or higher • 10% scale at 600-1200 dpi recommended •**

Thumbnail sized Raster files will not be high enough resolution,
and therefore are not suitable for quality prints.

** If you need an image edited or created, this may be possible for an additional cost
(pricing varies depending on time and work necessary for the file creation). **

Standard Specifications:

• All prints will be done 1/32" - 1/8" from the edge of the glass to prevent contamination and consequential defects resulting from overspray.
• Prints are typically viewed from distance of 15 feet under natural daylight conditions. Variations in perceived color may occur with any ceramic ink, and may be more apparent in white or lighter colors than dark colors. Due to the limitations of the ceramic ink spectrum, certain colors (such as metallic, neon and magenta) are may not be able to be exactly reproduced.
• Although we will attempt to limit contaminations pinholes, fisheyes, color concentrations, streaks from the printing process and paint particles may be present and are considered acceptable.
• 1/32" variation in dot, hole or line location is considered acceptable.
• All cutting, edgework, hole drilling, notching and grinding shall be performed prior to printing.
• Frit can be printed on any clear or pattern glass; low iron is recommended for the truest colors.

The 6 Spot Colors	*Image Printed on Paper*	*Image on Computer Screen*	*Image Printed on Glass*

** Please note that our color spectrum differs from that of CMYK or RGB and not all colors can be reproduced or may have a slight color variation than images onscreen or printed on paper. **

** *If you have any concerns about potential color mismatch, please request a sample.* **

Tips for Quality Prints:

• Choose high quality image from reliable source (min. 2500 pixels) for the best results
• Check quality in Photoshop at 100% scale (proportionate to actual size desired)
• Consider the viewing distance for the project
• Complete print test (scale to final size, print small crop, apply patterns, view at actual distance, adjust)
• Request a Sample Print if you are unsure of the expected results
• Image quality impacts final image result: Image resolution is pixel data image holds, therefore the higher the resolution, the more detail the image will have.

For more information on our direct digital print process, please contact:

CREATIVE MIRROR & Shower
2141 W. Army Trail Rd Addison, IL 60101
630-543-1166