

DIGITAL PRINT ARTWORK GUIDE

VECTOR FILES

PREFERRED FORMATS

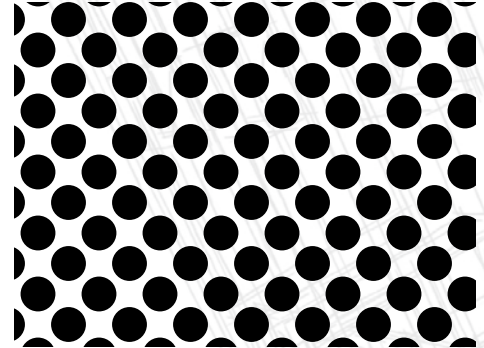
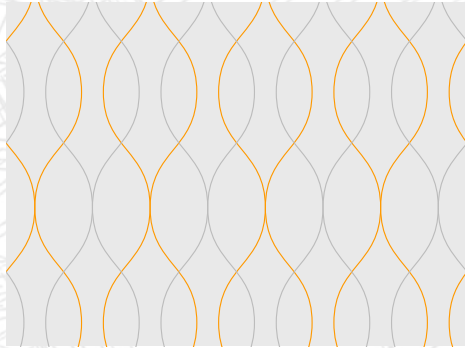


EPS | AI

NON-ACCEPTED FORMATS



CAD



RASTER IMAGE FILES



PREFERRED RASTER FORMATS

.psd - PSD is a layered image file used in Adobe Photoshop. It is the default format for Photoshop and saves the users work with no compression and allows the user to work with the images' layers even after the file has been saved.

.psb - PSB (Photoshop Big) - This format is almost identical to Photoshop's more common PSD format except that PSB supports significantly larger files, both in image dimension and overall size.

.tiff - Universal file format that introduces no compression artifacts. When saving ensure lossy compression is turned off.



PSD | PSB | TIFF

ALTERNATIVE RASTER FORMATS

.pdf - Suitable file format if exported from a graphics program with compression turned off.

.bmp - Universal file format that introduces no compression artifacts.

.jpeg - Lossy compressed file format. Compression levels can vary and may severely impact final image quality. Only use when no other options exist. Always start with a full quality, high-resolution JPEG and save any edits in a non-lossy format.



PDF | BMP | JPEG

NON-ACCEPTED RASTER FORMATS

The file formats below are meant for web use only and are not suitable for digital ceramic printing.

.gif - Limited to 256 colors and is a lossless compression format.

.png - PNGs are a compressed file format for line art and text-heavy images used for websites or screen viewing. As these files are typically created in a vector program, the original vector file should be submitted.



GIF | PNG

SUBMITTING ART FILES FOR DIGITAL PRINTING

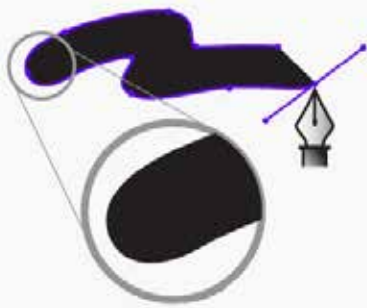
Art files for digital printing fall under two categories: **Vector's and Raster Images**.

- **Vector's** are the preferred format for printing on architectural glass as they can be infinitely scaled, re-colored and edited. Depending on the glass size a raster image (photograph) may not be printable without significant quality loss.
- **Raster files** are acceptable only for images not available in vector format such as photographs taken with a digital camera. All other designs (lines, dots, patterns and gradients) must be supplied in a vector format. Additional artwork charges will apply to convert these raster files to vector format.

Minimum Size: 12" x 12"; **Maximum Size:** 102" x 196"



VECTOR FILE FORMAT REQUIREMENTS



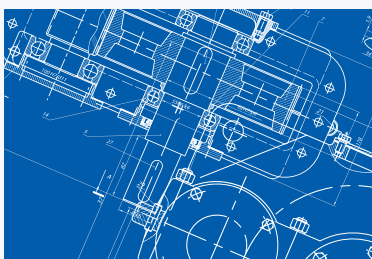
- Vector files are required for line and dot patterns, gradients, logos and drawings. Vectors can be scaled and printed at any size with no pixilation or quality loss.
- Vector files can be supplied in **.ai or .eps** format. The PDF file format could only be used if created from a vector graphics program (i.e. Adobe Illustrator or CorelDraw)
- **Design artboard(s) must match the final glass size.** Do not supply files with bleed.
- All fonts must be converted to outlines.
- Artwork to be supplied in **CMYK format**, no RGB files. Single color jobs should be drawn in **80% Black (K)**. If multiple opacities are used, please draw using an appropriate percentage of black ink. For multi-color jobs a process or spot color similar to the final output color can be used. Vitrum's art department will re-color your artwork using your specified paint color.
- Gradients should be drawn in the appropriate percentage of black ink. Vitrum's art department will re-color your gradient using your specified paint color. Gradients in a custom color must be pre-approved by Vitrum and will require additional design time and testing.

RASTER IMAGE FILE REQUIREMENTS



- Raster files are acceptable only for images not available in a vector format such as photographs taken with a digital camera. **All other designs (lines, dots, patterns and gradients) must be supplied in a vector format.**
- Vitrum prefers a **300 ppi** image for all digital ceramic printing and 150 ppi is the minimum recommended resolution at final output size. Close viewing (lobby wall, interior railing, etc) will require a higher resolution image (300 ppi) than an exterior facade print that will be viewed at a far distance (150 ppi).
- Raster images can be submitted as either RGB or CMYK files. It is recommended to maintain the same color space format as the original file. Some vibrant colors may not be achievable due the limited color gamut of ceramic frits.

CAD FILES



- Projects that require tiling or have shapes (any glass without four 90-degree corners), must have their artwork accompanied by a CAD file. These CAD files should contain elevations, tags, glass sizes and spacing between lites, along with any special fabrication required such as holes and notches.
- The final art for the project must be supplied in vector and/or raster format (see list above for approved file types). **CAD drawn artwork is not suitable for digital printing.** Artwork supplied in CAD format will require re-drawing or editing in Adobe Illustrator and will incur design costs.