

Technical information on printing documents for customers - digital printing

- **Test data:** When inquiring, please provide us in time with a **PDF** (*low res.*) in order to put us into the position to offer the most sensible way of production.
- **Production:** For internal data processing we need a Photoshop-file on a scale of 1:10 in TIFF format.
- **Data format:**
 - Layout: Besides Photoshop, you can also produce the layout of your flag in a vector program (**Freehand**, *Illustrator*, etc...). For fast processing of your data the layout needs to be provided as an open editable **Freehand** EPS-file. All other types of files (*see "Programs" as well*) need to be converted additionally for further internal processing. Original import pictures (*high resolution image files*) and postscript font files of the typography used (*regard licenses!*) are to be provided.
 - Image Data: Coloured images need to be available in CMYK-mode, black-and-white images as grey-scale. Images which were saved in different colour spaces (*e.g. RGB, Lab*) cannot be processed without conversion. As a result, a guarantee for the correct adjustment/adaptation of your image data cannot be given. Furthermore, all image data should be saved in tiff-format.
 - PDF: Please generate a PostScript-file in your respective application program and convert this file into a printable PDF afterwards. We advise against generating a PDF directly out of the application program. All images and typographies used should be embedded in the pdf-file.
- **Scale:** The files and drafts are to be produced on a scale of 1:10 referring to the final format.
- **Bleed:** As bleed difference please add 5 mm to your data (*Scale = 1:10*). For a tunnel made of same material please add a bleed difference according to the pole's diameter.
- **Colours:** If images contain spot colours, please specify them according to the colour systems **HKS, RAL** or **Pantone**. When printing mainly plain colours, colours may not be reproduced exactly and the appearance of the plain colour may be more uneven due to printing in 4C- raster.
- **Proof:** For adjustment of the reproduction in terms of colour we need a colour-binding proof or a press proof.
- **Trapping:** The single respective colours are laid out without trapping for further print.
- **Outlines/
line width:** If possible, please do not use outlines around objects

- **Fonts:** Fonts used in a file need to be provided as original fonts (*character set and postscript fonts*). With smaller amounts (*logos or company names*) alternatively the conversion of fonts into paths would be possible.

- **Resolution:** The resolution of our digital printers is 360 DPI. For an optimal transfer of your images we need a tiff- file on the scale of 1:10.
For a resolution in the original (final product) of 360 DPI we need a resolution (regarding the file M.: 1:10) of ideally 750 DPI

- **Originals for Scanning:** Originals which are to be scanned should be on a scale of 1:10. However, documents can be scanned to a maximum of DIN A 3. The scanning of documents demands reworking. This results in extra graphical charges for scanning and retouching.

- **Other drafts/ Masters:** Depending on quality and necessary reworking, additional costs will arise.

- **Programs:**
 - Macintosh:
 - Freehand MX
 - Adobe Illustrator CS 2
 - Adobe Indesign CS 2
 - Adobe Photoshop CS 2
 - Quark X Press 6.5
 - Acrobat Professional 6.0
 - All programs are compatible to older versions
 - Other programs on request (*all current program versions*)
 - Windows:
 - Programs on request (*all current program versions*)

- **Data Medium:**
 - Data storage medium on request

- **FTP:**
 - ftp://bofa.de

- **ISDN:**
 - Leonardo Pro
 - 4-channel-no.: +49-228/68992 + 19 & 29
 - 2-channel-no.: +49-228/6899219

- **Email:**
 - For graphical files: ● digital@bofa.de
 - For inquiries: ● info@bofa.de

- **Internet:**
 - www.fahnen.eu - www.bofa.de

- **Address:**
 - Bonner Fahnenfabrik GmbH
 - Römerstraße 303 - 305
 - D - 53117 Bonn

 - Fon: +49-228 6834 - 0
 - Fax: +49-228 670016

State 11/06