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## General information

We print on all optical data storage media in silkscreen and/or offset printing process.

Silkscreen is suited especially for large surface designs and prints with special colours as this printing method highlights those colours brilliantly. The offset printing process is suited especially for photo-realistic designs and colour gradient as a much finer raster and wider ranges of tonal value are possible.

In general, offset prints feature a matt surface while colours printed in silkscreen show a stronger gloss.

Prints based on the euroscale colour space are mainly carried out using the offset printing method. Furthermore we offer up to 6 spot colour print (inclusive white) within the silkscreen printing process. Spot colours are printed exclusively according to the Pantone solid coated and HKS K matching system using silk-screen printing. Both methods can be combined.

In addition it is also possible to apply a lacquer as 6<sup>th</sup> colour (gloss, matt, thermal, inkjet- or relief varnish). Please follow our specifications for the artwork creation which can be found on our website.

For small series we also offer label printing in thermal transfer.

We strongly recommend to contact our inhouse specialists through our customer service team prior to creation of the data to assure that the files do not need to be amended subsequently due to quality reasons.

## 1. Transmission Route and Data Carrier

- File names to be created without special characters
- Open files as archive (SIT, ZIP, SEA)
- Files and folders to be named meaningfully, according to your order
- FTP
  - For a transmission via FTP please use our FTP-server (ftp.cda.de)
  - On request you will receive your FTP access codes
- Email size up to max. 10 MByte
- CD-R / DVD-R
- USB Flash Drive

## 2. File Formats

- **Please provide PDF-files (X-1) as far as possible.**
- Kindly submit the binding version of the colour print in full-scale.
- Please send graphic files and proofs without colour profiles.
- Proofs can only be used with a valid Fogra measuring bar as colour-binding parameter

### Data Requirements

- Grey scale colour pictures minimum 300 dpi
- Binary images minimum 1200 dpi
- All colour pictures in CMYK
- Spot colours to be created as such in Pantone format solid coated or HKS K

### PDF

- Format X-1
- All fonts need to be embedded.
- Please see our website where you can find the profiles for Adobe Acrobat™ Distiller (V. 5) as well as Enfocus Pitstop™ Preflight (V.4).

### Open Data Files

- The following formats are supported at present:
  - Quark Xpress™ → MAC: 6.5, 7
  - Adobe Illustrator™ → MAC: 10, CS2, PC: 9, CS2
  - Adobe Indesign → MAC: CS2, PC: CS2
  - Macromedia Freehand™ → MAC: V. 10 / MX
  - Adobe Photoshop™ → MAC: CS2
- All components are to be included.
- Fonts to be converted in mappings, if possible.
- It has to be obvious with which graphical software the data has been created. If the usage of EPS- and especially DCS-graphics, or exceptional graphic elements respectively settings (for example transparencies/ special overprints) applies, please kindly provide that information in advance.

### Special Characteristics

- The machine readability of barcodes can only be assured if the barcodes are laid out solely in 100% black colour.
- You carry the responsibility for the correct settings of the open area and overprint. The overprint adjustments of the delivered print out are to be considered as binding.
- Black areas must be set at 60% Cyan, 40% Magenta and 40% Yellow in offset printing.
- When printing of the data carrier up to 17mm (inner diameter) is requested, we would recommend a first white full-surface print to assure a consistent print image on the transparent and metallised area of the disc.