

Technical Specifications + Data Requirements

As a rule, we adhere to the guidelines of the FFI (Fachverband Faltschachtel-Industrie e.V.) to generate and exchange print data for the production of folding boxes. You can download these guidelines (german) free of charge at:

→ www.ffi.de/publikationen/technische-richtlinie-fuer-den-datenaustausch/

Printing Process:

- Offset printing with max. 8 inks, plus max. 3 x conventional varnish
- Offset printing with max. 8 inks, plus primer plus 1 x UV varnish
- Gravure with max. 3 inks

Halftone Screen:

- Standard screen angle:
cyan 15°, magenta 45°, yellow 90°, black 75°, special colors 45°
- Screen counts:
60 l/cm, 70 l/cm, 80 l/cm, HighLine 122 l/cm, chain dot shape
FM 31 µ for special colors that require an already used screen angle
- Screen angles for Wanfried:
80l/cm, Euclidean dot
- Minimum printable tonal value 2 %
Maximum printable tonal value 98 %
Gradations should be located between 5 % and 90 %
- Maximum ink application (area coverage) 300 %

Type and Graphic Elements

- Min. line weight positive 0.1 mm, negative 0.2 mm
- Min. type size positive 6 pt., negative 7 pt.
- We recommend using small fonts and fine lines in 100% black overprinting.
- Place text and graphic elements at a minimum of 2 mm from the punch and/or creasing.
- Embed all fonts used in the document or convert them into drawing paths. As a precaution, please provide all fonts that have been used.

Contact

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Embossing

- Embossing requires a minimum of 5 mm from the punch and/or creasing.
- Smaller intervals require an additional pass through the die-cutting machine.

Images

- Image resolution for monochrome and multicolor halftone images should be at least 300 dpi and maximum 600 dpi respectively. For line images and bitmaps, the minimum resolution is 1200 dpi and the maximum resolution is 2400 dpi.
- Do not use RGB images! All images should be saved in CMYK format as TIF or PSD.
- We recommend that you use the ICC profile ISOcoated_v2_300_eci.icc for conversion. You can download this ICC profile free of charge at:
→ <http://www.eci.org/de/downloads>

Bleed Allowance

- 3.0 mm

Overspread

- 0.08 mm to 0.10 mm

Punching and Fold Tolerance

- 1.0 mm

PDF as File Format

- Please send us print-ready PDF files using version 1.5 or higher.

Open Data

- We accept open data from ArtPro and Adobe CS-Suite.
- Data from Microsoft Office programs are not suitable for production.
- The above rules regarding structure, resolution, fonts, etc. also apply to open data.

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