

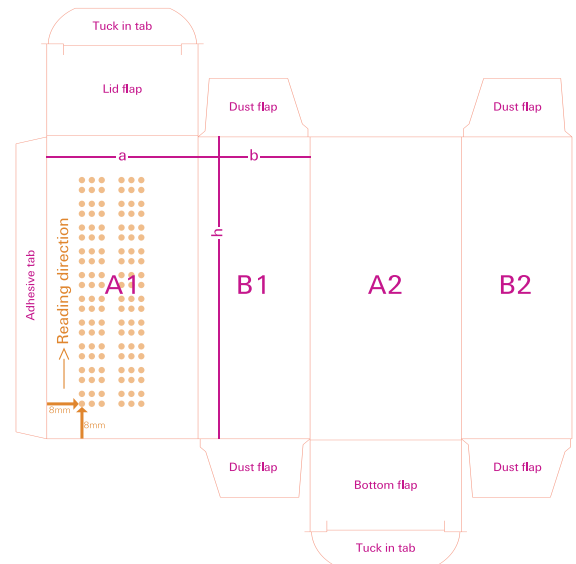
Transmission of print data

Data formats

- **PDF file**
(pay attention to PDF/X4 standard, transparencies should be retained in native form)
- **open files from other programmes** (due to higher processing costs and greater risk of error only after consultation and always with reference PDF)
- all items are on page 1 of the PDF file
- no corrections within the PDF file

Dieline

- can be provided by plm
(it is recommended to order the required dieline from plm before creating the data)
- adhere to scale 1:1
- colouring in a separate spot colour
(do not use process colours)
- for dimensions see diagram
(a/b/h measurements)
- use object attribute „overprinting“



Braille

- set according to Marburg standard (e.g. with font Braille DIN)
(dot diameter 1.6 mm, dot spacing 2.5 mm, character spacing 6 mm, line spacing 10 mm)
- colouring in separate spot colour
- placement at a distance of 8 mm to the die-cut and crease lines on page A1, if more space required switch to page B1, A2 or B2 (see diagram)

Spacing, bleed and margins

- all graphic elements must have a distance of 1 mm from die-cut and crease lines
- full bleed elements require a trim overlap of 1 mm
- pay attention to circumferential graphics

Inks / ink application

- CMYK and/or spot colours (ensure they are clearly distinct)
- RGB is not permitted
- finishes (varnishes, embossing, Braille) as a separate spot colour
- include clearly presented printing ink key in the document
- do not exceed max. ink coverage of 280%

Images

- halftone images require 300 dpi
- line art (bitmapped) requires at least 1,200 dpi, ideally 2,400 dpi
- embed them as TIFF, EPS or PSD files
- no use of low resolution or compressed formats (e.g. DCS and JPEG)
- all images have to be embedded in the PDF

Fonts

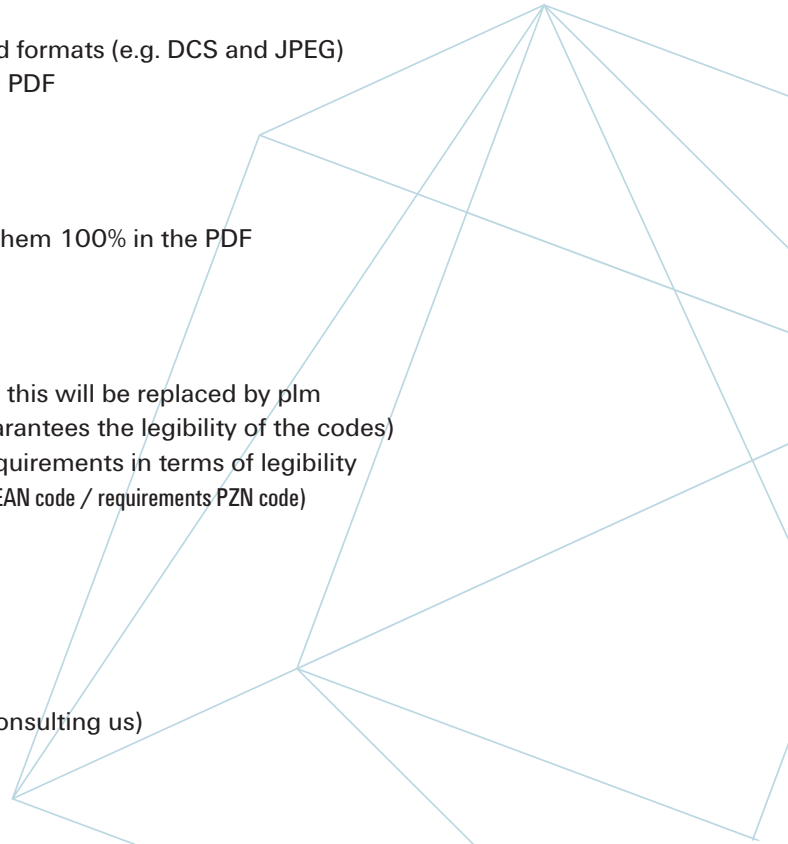
- convert all fonts to outlines or embed them 100% in the PDF

EAN / PZN coding

- instead of coding, insert a placeholder, this will be replaced by plm with the respective code later (plm guarantees the legibility of the codes)
- with codes already placed, note the requirements in terms of legibility (contrast, bright field, size) (requirements EAN code / requirements PZN code)

Foil stamping

- minimum line width positive: 0.2 mm
- minimum line width negative: 0.3 mm
(please use critical images only after consulting us)



File name

- only alphanumeric characters plus hyphens and underscore

Control media for colour

- colour proofs for process colours (Fogra media wedge is required)
- physical colour sample as a template for spotcolours

Data transmission

- e-mail (grafikdaten@plm.de)
- FTP server (you will receive the required access code on request)

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