



PRINTING GUIDELINES

DON'T JUST PRINT - PRINT LIKE A PRO

print ready file

A print ready file is free of any issues that could interfere with the successful production of your cartridge.

This guideline will help to ensure that your artwork is produced correctly, at the highest print standards possible.



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pagelayout **printing** area safetyzone printmerge

- > final artwork file must be in the size of our printing area
- > create your page layout with a bleed of 3 mm
- > printing area always starts 14 mm from the shoulder of the cartridge
- > the lower your artwork will be placed within the printing area, the lower it will be printed on the cartridge
- > critical elements, text and images should be placed out of the 3 mm safety zone within the printing area, to ensure a clean print | print merge

page layout
printing area

print position

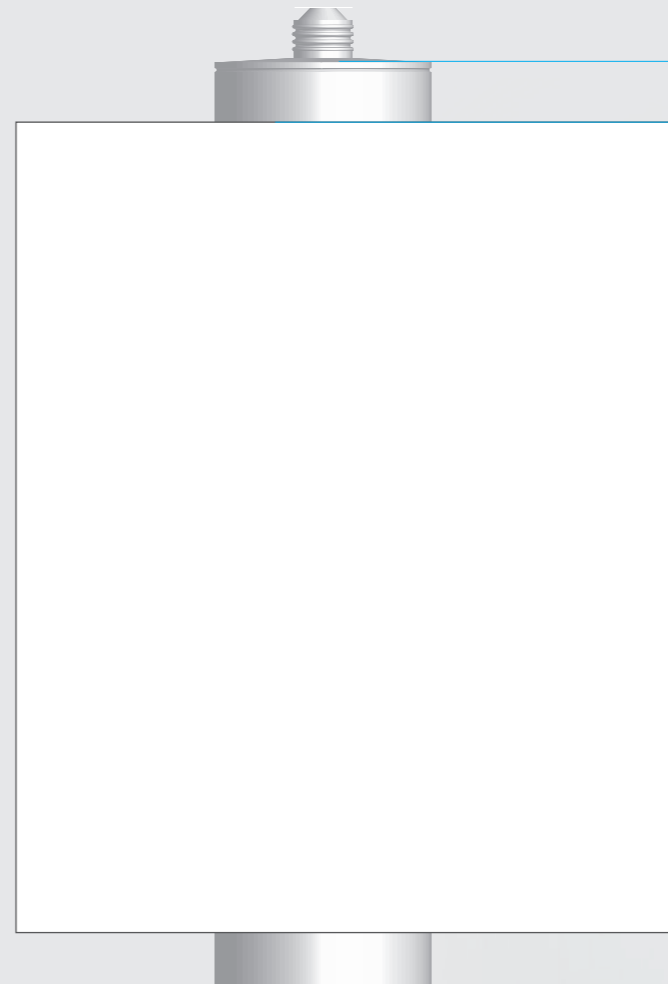
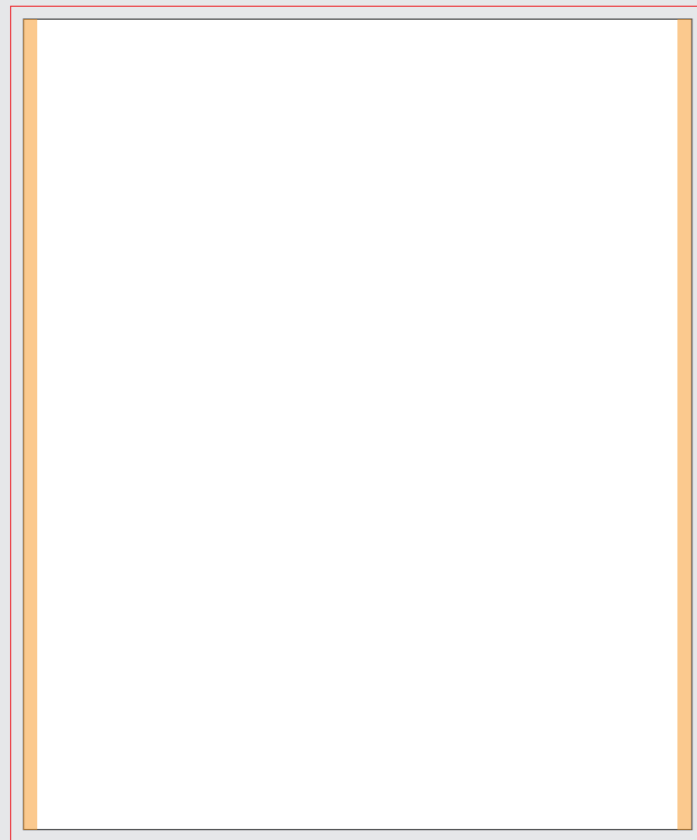
layout

**printing area

3 mm safety zone

print merging | overlapping area

3 mm bleed



14 mm
20 mm (only E400)

**printing areas

E 310 cartridges 155 x 188 mm

E 290 cartridges 155 x 188 mm

E 280 cartridges 149 x 182 mm

E 400 cartridges 156 x 210 mm



pagelayoutprintingarea
safetyzoneprintmerge



artwork not OK

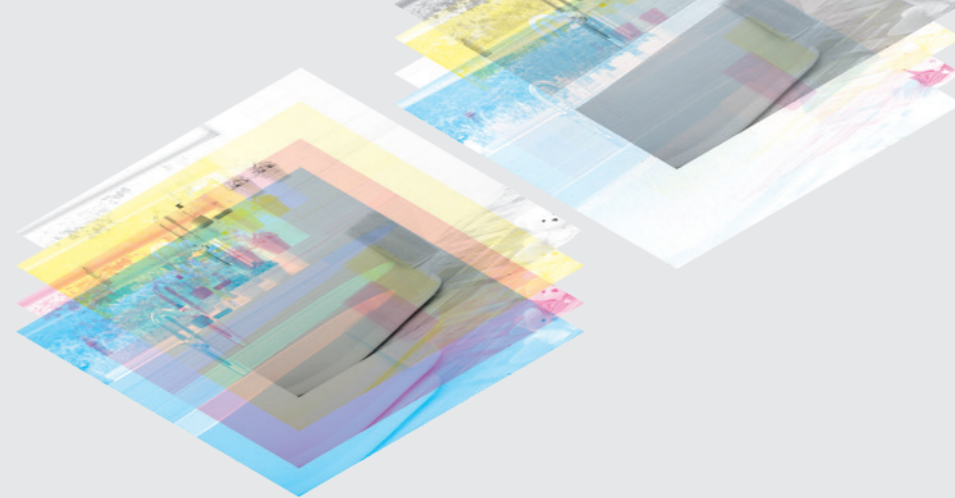
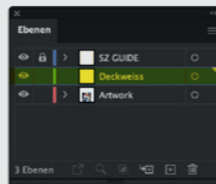
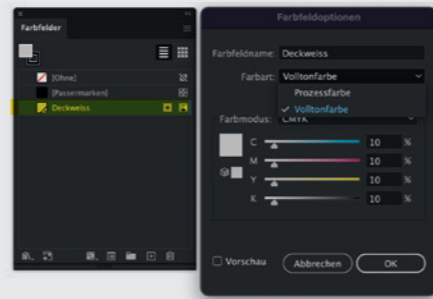
artwork OK

safety zone

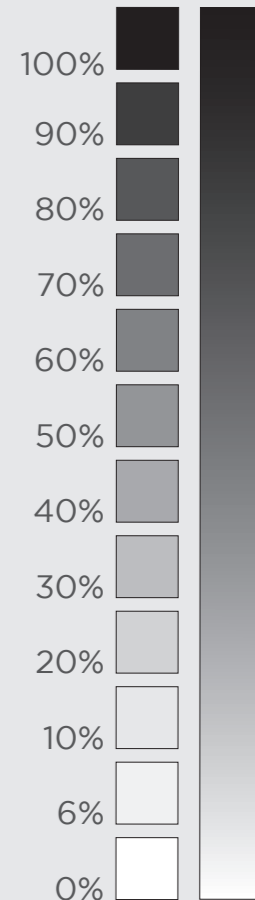
- > important for high quality print
- > ensures sharp edges
- > avoids blurry | smeared printing in the print merging and overlapping areas

colorsettings resolutionimage

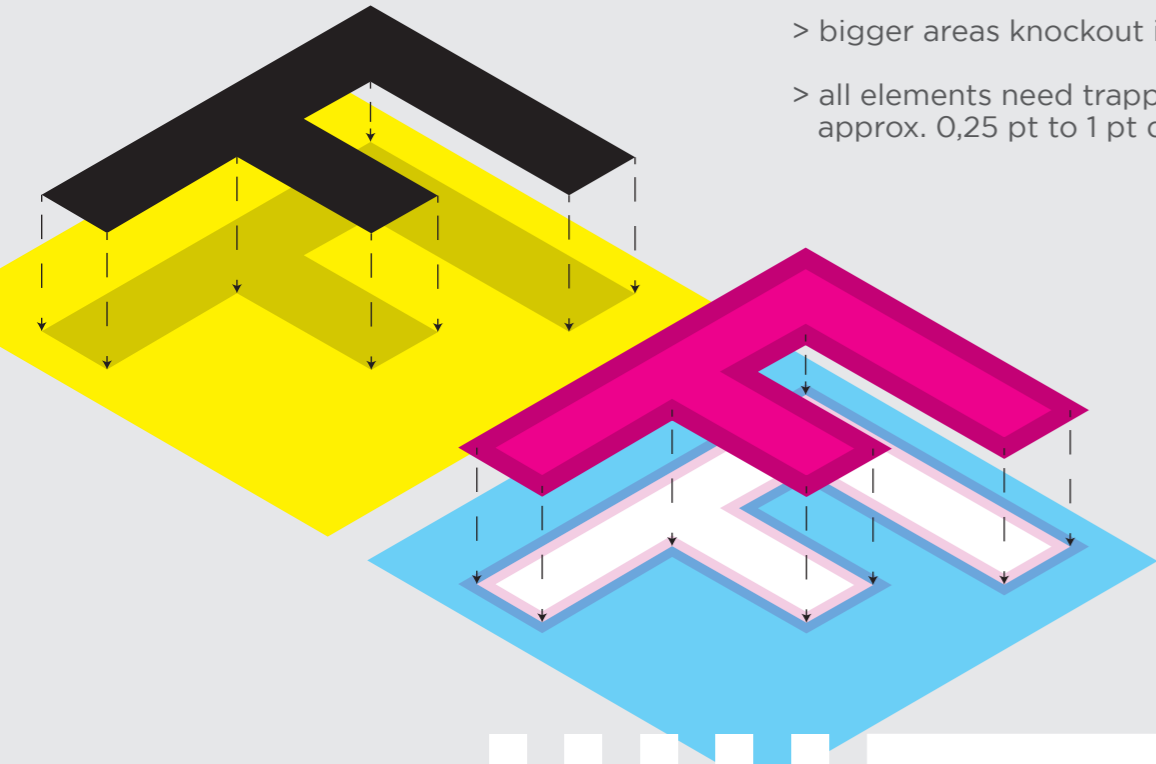
- > ISO Coated v2 or Coated FOGRA 39 possible
- > no custom colors, add in your artwork colors with the correct PMS, HKS or RAL name
- > max. 6 printing colors possible
- > colored cartridges need extra layer for white print (5 colors left for rest of the artwork)
- > PP-T clear cartridges need extra layer for white and varnish on top over the whole artwork (4 colors left for rest of the artwork)
- > please add white (Deckweiss) as solid color in your file



- > all images need to be embedded and CMYK
- > converting your RGB image to CMYK always check your color separation and levels
- > min. resolution of 300 dpi
- > critical bright, grayish, less vibrant and saturated image we recommend to use GCR
- > less saturated areas min. 6% color
- > gradients 10%-95% to get it as smooth as possible
- > ink limit max. 300%



trappingtolerance fontbarcodesize



- > due to technical reasons and to avoid white gaps between colors all elements need trapping
- > all black text, lines and elements should be single color 100% black and set to overprint
- > bigger areas knockout if necessary
- > all elements need trapping - contour set to overprint approx. 0,25 pt to 1 pt dependig on size and color

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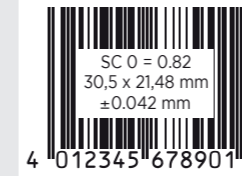
-1 pt
0,75 pt
0,5 pt
0,3 pt



-1 pt
0,75 pt
0,5 pt
0,3 pt

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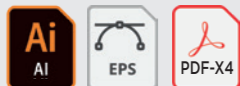
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- > barcode not smaller than SC0 and QR code with less information not smaller than 17x17mm, QR with more information not smaller than 20x20 mm
- > font size not smaller than 4pt positive / 5pt negative
- > for small negative fonts, lines and elements will be white as additional color needed to guarantee readability
- > line thickness not less than 0,3 pt positive / 0,5 pt negative
- > for negative lines use as additional color white or increase the line tickness

printfilesoftware hardwarecontact

printfile



- > please embed all images
- > outline fonts in Illustrator files
- > use PDF-X4 without downsampling
- > no RGB

hardware



software



 **Fischbach**



contact

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