

Artwork requirements

Please follow these guidelines to make sure you get the best results in print.

1 Printing technique

Flexo Max. 9 colors, varnish included	Letterpress Max. 8 colors, varnish included	Digital Full-color
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2 Software



Adobe Illustrator
until CC



Adobe Photoshop
until CC



Adobe Indesign
until CC

3 Artwork

- Artwork: Adobe Illustrator
- Links: Adobe Photoshop
- Control file: Adobe PDF

Other types of artwork will be converted into Adobe Illustrator files at our Prepress Studio.

Preferred artwork: Adobe Illustrator file including linked files + a PDF for extra control.

Exporting an Adobe Indesign file into a PDF will give possible conversion problems in which the linked images will be cut into small pieces. To avoid this it is preferred to export the Adobe Indesign files as a highest possible PDF version (Acrobat 8 PDF 1.7)

When using Adobe indesign please also provide the original file including the linked (images) files.

Certified PDF

PDF (Portable Document Format) is a file format that has captured all the elements of a printed document as an electronic image that you can view, navigate, print, or forward to someone else. PDF files are created using Adobe Acrobat, Acrobat Capture, or similar products. To view and use the files, you need the free Acrobat Reader, which you can easily download. Once you've downloaded the Reader, it will start automatically whenever you want to look at a PDF file.

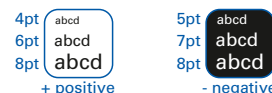
Differences

However, not every PDF is similar. The characteristics differ, depending on the purpose of what the PDF will be used for. A PDF for press has to contain high resolution images, CMYK colors and cutting marks. The artwork in a certified PDF has to contain the right printer specifications. A wrong setting in the PDF can lead to files that are not useable for printing. That's why a clear communication between customer and printer is recommended.

Artwork requirements

4 Font

Provide the complete Font sets or use the option outlines in Adobe Illustrator.
Pay attention! In that case textcorrections are no longer possible.



Please consider the new rules: decree (EU) nr. 1169/2011.
Text has to be at least 7,5 pt. (1,2 mm x-height).

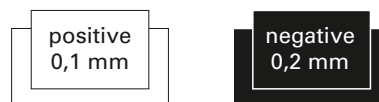
Minimal points:

Positive font (1 color): **4** pt. | Positive font (more colors): **8** pt.
Negative font (1 color): **5** pt. | Negative font (more colors): **9** pt.

Try to avoid a multi color build-up at a smaller corps to prevent register problems during printing

5 Line

Minimal line thickness is 0,1 mm positive en 0,2 mm negative.

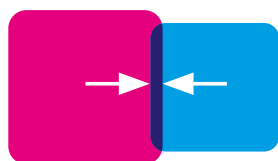


Minimal Line thickness	Positive line (1 color):	0,1 mm	Positive line (more colors):	0,4 mm
	Negative line (1 color):	0,2 mm	Negative line (more colors):	0,5 mm

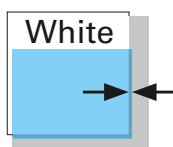
Try to avoid a multi color line build-up when using thin lines to prevent register problems during printing

6 Trapping

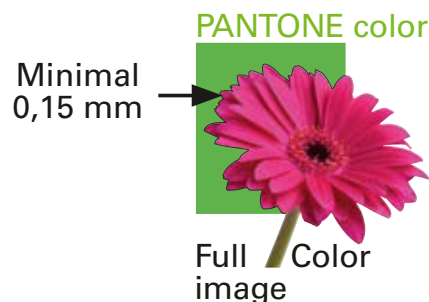
The minimal use of trapping is 0,15 mm.



Minimal 0,15 mm

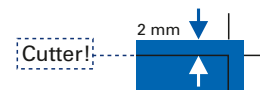


Minimal 0,15 mm



7 Artwork bleed margin

Add 2 mm bleed on all sides of your artwork.



8 Artwork safety margin

Position critical graphic and text elements at least 1,5 mm away from the final trim size.



Artwork requirements

9 Resolution

All bitmaps and rasterized images should be delivered at 100% size at 300dpi and CMYK or PMS.

Always convert images in RGB to CMYK!

Check if black linework is set to 100% Black instead of FC



Image in high resolution
(300 dpi)



Image in low resolution
(72 dpi)

10 Colors

Used colors:

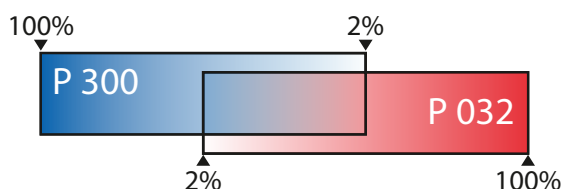
- C,M,Y,K (Cyan, Magenta, Yellow, Black)
- PANTONE +, PANTONE Pastel, PANTONE Metallic
- Other color formats like HKS or RAL are not being used and have to be converted.
- Brand own spotcolors ("Fireman red" or "Grass green" for example) have to be converted into CMYK or PANTONE spot colors.

Color coverage:

The maximum color coverage when printing full color is **300%**.

11 Color gradation

A color gradation starts at 2%, never from 0%.



12 Barcodes

Place barcodes at a minimal size of 80% and a maximum of 200%.

Outside those values we cannot guarantee the readability of the barcode!

The Bar Width Reduction = 25 micron.

If this is not the case please inform us so we can place a correct barcode with the right BWR.



Artwork requirements

13 Screen & Screen angle

We can handle the following grid/screen liniatures.

- 120 LPI - 48 L/cm
- 133 LPI - 54 L/cm
- 161 LPI - 63 L/cm

Order of printing	Screen angle
1. Yellow	82,5 degrees
2. Magenta	67,5 degrees
3. Cyan	7,5 degrees
4. Black	37,5 degrees

We use the color system CMYK for print.

The Prepress Studio uses the ISO Coated v2 300% (ECI) profile.

14 Working profile / Dotgain Flexoprint

Thermo Top	Screenpoint on plate:	2%	Grows in print to:	6%
	Screenpoint on plate:	50%	Grows in print to:	56%
	Screenpoint on plate:	90%	Grows in print to:	96%
High Gloss	Screenpoint on plate:	2%	Grows in print to:	6%
	Screenpoint on plate:	50%	Grows in print to:	56%
	Screenpoint on plate:	90%	Grows in print to:	96%
Machine Coated	Screenpoint on plate:	2%	Grows in print to:	6%
	Screenpoint on plate:	50%	Grows in print to:	56%
	Screenpoint on plate:	90%	Grows in print to:	96%
PE	Screenpoint on plate:	2%	Grows in print to:	6%
	Screenpoint on plate:	50%	Grows in print to:	56%
	Screenpoint on plate:	90%	Grows in print to:	96%
PP	Screenpoint on plate:	2%	Grows in print to:	6%
	Screenpoint on plate:	50%	Grows in print to:	56%
	Screenpoint on plate:	90%	Grows in print to:	96%

15 Data Transfer

Data till max 10 MB filesize -> via e-mail

Everything with a bigger filesize via ftp link or other options like Internet (WeTransfer), CD-rom, USB-stick, etc.

Please contact our sales representative within the Labelmakers group for the login information of the ftp server.