
Data Supply Guidelines

© Copyright

All rights reserved. This document is the property of Janoschka. The duplication, distribution, change or any other processing of these specifications in any way (print, photography, data sheet or others) is strictly prohibited unless the prior written approval of Janoschka.

Information within these specifications have been generated and checked with reasonable care. However mistakes may not be excluded. Therefore Janoschka declines any responsibility or liability for any faulty or incomplete information or caused consequences.

You are requested to check carefully the existence of a newer version before use. The specifications may be downloaded under

<http://www.janoschka-group.com/specification.php>

Content:

General information	4
Accepted data formats	4
Links	4
Ink coverage	4
Layers and separations	5
Name conventions of separations	5
Scaling and resolution	5
Fonts	5
Font sizes	6
Text attributes / text style	6
Minimum line width	6
Trapping	7
UCR / GCR	7
Colour space / colour profile / separation model	7
Barcodes	8
Contract proof	9
Digital proof	9
Contact	10
Changes to current versions	11

General information:

Reproduction work must follow the guidelines / specifications of the customer / printing house. Whenever possible repro specifications will be made available.

Software to be used: ArtPro (latest version).

- Concerning the design content / position on the cylinder, the existence of common cylinders has to be taken into account.
- Position of job on cylinder to be indicated / marked clearly (horizontal vs. vertical / top vs. bottom).
- Bleed all around 5 mm.
- Eyemarks / eyemark backing / tracking zone (depending on job).
- Inclusion of colour step wedges (Janoschka-swatch and Fogra media swatch).
(Janoschka swatch will be supplied in data format).
(Tonal values 5%, 25%, 50%, 75%, 100%).

All repro specific information need to be collected in a transfer document (to be provided as PDF by Janoschka) and to be send to Janoschka together with the repro data.

Files has to be supplied in a structured form. On a unique designation of the data must be considered.

Accepted data formats:

ArtPro

Tiff

EPS *without compression*

PSD *with layers*

Links:

Verification of all file links.

(Links reflect the use of external files in the document).

Ink coverage:

The ink coverage needs to be calculated and marked in the job.

Layers and separations:

All unused layers and separations are to be deleted.
A clear and logic structure of the different layers is requested. The maximum necessary layers for a packaging design are the following for example:

- Background layer (all printed elements necessary for the design)
- Text layer (one layer for each text variant should be created, e.g. when changing variant or language)
- Technical layer (for the further processing of needed elements, such as Eyemarks, technical control fields etc.)
- Layout and cutter guide layer (this layer acts as a dummy for the actual linework design)
- Info layer (general information about the order, file creator, ...)

Name conventions of separations:

HKS-Colour / Pantone-Colour / RAL-Colour

Spot colours are to be defined as spot colour separations, not as spot colour only!

Scaling and resolution:

- Actual resolution of image data included ≥ 300 dpi
- Actual resolution of bitmaps included ≥ 1.200 dpi

Fonts:

All fonts to be used for the printed product shall be delivered in a complete font set in a separate folder. Due to legal issues these will be deleted in our data base after completion of the job. It is requested to vectorise all fonts before transferring the data to the pre-press workflow. In order to assure the data to be editable, a second copy of all files must be delivered in a folder (open file).

Fonts size:

For rotogravure printing the following font sizes are recommended:

Positive font without serifs	≥ 5 points (1,875 mm)
Positive font with serifs	≥ 6 points (2,250 mm)
Positive font with ornaments	≥ 7 points (2,625 mm)
Negative font without serifs	≥ 6 points (2,250 mm)
Negative font with serifs	≥ 7 points (2,625 mm)
Negative font with ornaments	≥ 8 points (3,000 mm)

For offset printing the minimum text size is 0,5 up to 1 point smaller than mentioned above. Special circumstances, which need to be defined individually, allow lower values than the above ones.

Text attributes / text styles:

In case fonts are not vectorized by you, please make sure that fonts are not assigned with attributes or styles that may change the script. This may cause problems when being converted. It is recommended to always use the actual font (e.g. bold/italic). Please avoid the use of dummy text, with the colour attributes being identical to the background colour.

Minimum line widths:

Rotogravure: • positive 0,17 mm
 • negative 0,20 mm

Offset printing: • positive 0,10 mm
 • negative 0,10 mm

Depending on gravure technology (electromechanical gravure, laser or etching) also smaller widths are possible for rotogravure printing.

- Possible customer specifications are to be followed and used.
- To be decided individually with Janoschka .

Trapping:

Standard values for ArtPro (in mm):

- Trappings linework/halftone: 0,2 mm – 0,3 mm (depending on design)
- Trappings at the edge of the single unit: 0,2 mm – 0,3 mm (depending on design)
- White trapping to ct: 0,3 mm
- White trapping to non printing area: 0,5 mm
- Backing with support colours (depending on design)

- Possible customer specifications are to be followed and used.
- To be decided individually with Janoschka.

UCR / GCR

Especially for rotogravure printing it is essential to avoid UCR (UnderColourRemoval) and GCR (GreyComponentReplacement) for the image separation.

A colour separation model using a normal black is preferred.

Special colour separation for porcelain: (Black/Cyan; depending on design)

Creation of vignettes: 2% - 98%.

Minimum printing value: 2%, highlight reflections may be lighter.

- Possible customer specifications are to be followed and used.
- To be decided individually with Janoschka.

Colour space / colour profile / separation model:

- CMYK
- ISO-CMYK (Euroscale – no longer valid)

...

- RGB
- ECI-RGB
- SRGB

...

It is preferred to have colour elements, pictos and all image data created in process specific CMYK colour space. When supplying RGB data please include the ICC-profile of the input device.

The profile of the working colour space has to be supplied.

Barcodes:

The use of barcodes is subject to existing standards.

DIN EN (ISO 15416)

For each code the relevant norm has to be applied.
A process specific line reduction has to be supplied by the printing form manufacturer.

- Possible customer specifications are to be followed and used.
- To be decided individually with Janoschka.

Other guidelines:

- Manipulations on single barcode lines are not allowed.
- Avoid ghosted background images if the contrast between background and code colour is not sufficient.
- Negative codes as well as codes on metallized substrates are not allowed.
- If possible avoid any kind of screening underneath the barcode.
- Quiet zones are to be created according the ISO standard.
- In case barcode and fond colour are in the same separation the size of the ISO standard quiet zones is sufficient.
- If barcode and fond colour are in different colour separations an additional tolerance (an increased quiet zone of 0,5 mm on both sides is necessary.
- Placement of barcode: for good legibility the barcode should not be placed against the printing direction.
- Please pay attention that the barcode is always placed in ArtPro separation channel 11 and the PMS colour is P355.

Recommendation: avoid code sizes < 90% (code in running direction) respectively < 100% (against running direction).

Contract proof:

Complete data supply must contain a signed off proof including the cutter guides which must reflect the latest, actual data information. If the proof made by the customer or the data supplier is simulating a standardized or an individual printing colour space of the printing house this will be classified as contract proof (documentation of used profile and media wedge to be included). Contract proofs are to be marked as such and need the signature of the approving person. Moreover black/white prints of the colour separations are to be supplied.

Colour profiles of the working colour space need to be provided.

Digital proof:

Iris:

- Material: • Iris Pro TM Media Semi Matt
- Colours: • Iris Professional USA

Epson 7600 / 9600:

- Material: • SO 41390 Epson - Premium Glossy Photo Paper 165g
- Colours: • CMYK + CMK light

Epson 4800 / 7800:

- Material: • GMG ProofPaper semimatt 250g
- Colours: • CMYK + CMKK light

- Possible customer specifications are to be followed and used.
- To be decided individually with Janoschka.

Contact:

janoschka GmbH • Mattweg 1 • D-77971 Kippenheim

Reception:

Phone	+49. 7825. 849-0
Fax	+49. 7825. 2306
eMail	Info@janoschka.com
Web	www.janoschka.com
ISDN	+49. 7825. 849-291

Generally FTP transfer is possible. The account will be created up front by us and communicated to you.

Direct contacts:

Mathias Baier <i>(pre press)</i>	+49. 7825. 849-124	Mathias.Baier@janoschka.com
Rainer Geiger <i>(printing technology)</i>	+49. 7825. 849-196	Rainer.Geiger@janoschka.com

Changes to current versions:

Version 6.2:

Digital proof:

Epson 4800 / 7800:

- Material: • GMG ProofPaper semimatt 250g
- Colours: • CMYK + CMKK light

Version 6.1:

General information:

Files has to be supplied in a structured form. On a unique designation of the data must be considered.

UCR / GCR

Creation of vignettes: **2% - 98%**.