

REQUIRED PARAMETERS OF DIGITAL DATA INPUTS FOR PRINTING IN TBB

POSSIBLE WAYS OF DATA INPUTS SUBMISSION

Printing materials can be submitted on the following types of media:

- CD – R/RW, DVD, external USB media and Fire Wire devices (external HD, memory cards....)

- FTP server:

<ftp.tbb.sk>

Username and password is provided upon request.

When sending open files (InDesign etc.), all files and especially fonts have to be compressed to prevent their damage.

- InSite Access:

The files can be uploaded also through the Internet portal InSite after creating of your account in our system. The username, password and instructions for use will be sent on your demand.

FILE FORMATS

- **We prefer the closed PDF file.**

However we can accept also the open formats Adobe CC and QuarkX press 7.

Other formats can be processed only after consultation.

BASIC INSTRUCTIONS FOR THE PREPARATION OF DATA INPUTS (DI)

- **Only the professional graphic programs are recommended** and these must be used in accordance with the prescribed use. E.g. Adobe Photoshop for image editing, InDesign for page breaking and PDF generating and Adobe Illustrator for working with vector graphics. The creating of DI with different Office programs such as Word or similar is not appropriate. When working with CorelDraw pay special attention to colour management, otherwise the results could be unexpected.

Proper resolution of data inputs (DI). To avoid problems with the resulting resolution in PDF, it is recommended to insert the images into InDesign at least around final size.

The resulting resolution should be 300-350 dpi for printing raster 70-80 l/cm.

Images should be in CMYK colour mode. When separating into CMYK the correct ICC profile is to be used. Current ICC profiles are available on our web site and as well on:

http://www.eci.org/en/downloads#icc_profiles_from_eci

When generating a PDF, you must avoid inserting of ICC profiles. It is necessary to choose the option „Don't Include Profiles“.

When working with Acrobat Distiller, for the creation of the PS one must care that all used fonts are embedded.

!!! The minimum legible sans-serif font size is 4pt, serif font 5pt and for negative texts 5pt and 6pt. Do not create a background for the negative text from the four colours, because of the possible

danger of difficulties maintaining of the colour register.

- While working with overlapping objects the use of the proper *overprint* or *knockout* is important – check with activation of the option „overprint preview“.

- **Data for the production of stamping/embossing forms, partial varnishing etc.** are to be supplied as vector graphics. When it is not technically possible, 1-bit graphics are to be supplied. By 1-bit images the resolution should not be lower than 800dpi, 1200dpi is ideal.

-**When generating a PDF** you can preset „High Quality Print“, or PDF/X-1a:2001 standard, PDF/X- 3:2002 or currently also PDF/X-4:2008.

-When generating a PDF, beware of the Colour Management. If the images are correctly prepared, it is better to turn off the colour conversion.

The option „Output Intent Profile Name“ describes the printing conditions the PDF is prepared for.

This option has to be used judiciously for the possibility of the subsequent conversion in case of change of the printing conditions. (Example: DI are prepared for the printing on coated paper but the printing will be done on uncoated paper).

!!! The setting of trim marks (bleed) is important – trim marks need to be offset from the trim by minimum 4 mm. Size of bleed has to be 3-5 mm. [click here for more](#)

- **Chroma/colouring is limited to CMYK, grayscale, or CMYK + direct (spot) colours.**

When using colour space such as RGB and Lab, the conversion to CMYK is possible, but only after consultation.

Spot colours must be defined correctly (Pantone, or HKS swatch book).

COLOUR MANAGEMENT AND ICC PROFILES

Our company is holder of the [FOGRA Certificate on Compliance with the PSO \(ISO 12647\)](#) in pre-press, production of digital proofs and printing plates and the offset printing itself. Our printing results are in accordance with the recent Standard ISO 12647-2:2013. [click here for more](#)

The characteristics of the print are clearly indicated in the characterisation data (e.g. FOGRA 51). This ensures that if the customer complies with all the rules of Colour Management and has his workplace equipped with a monitor allowing calibration, he will see on his monitor (softproof), or on digital proof (hardproof) such result that we can achieve in the press, within the tolerances specified by the standard.

Of course, at this point it also depends on the type of paper used for printing, especially its colouring, final processing (coating, laminating etc.).

When working with data, making separation into CMYK, making preview on screen and by digital proofing, it is necessary to use the following profiles according the new standard:

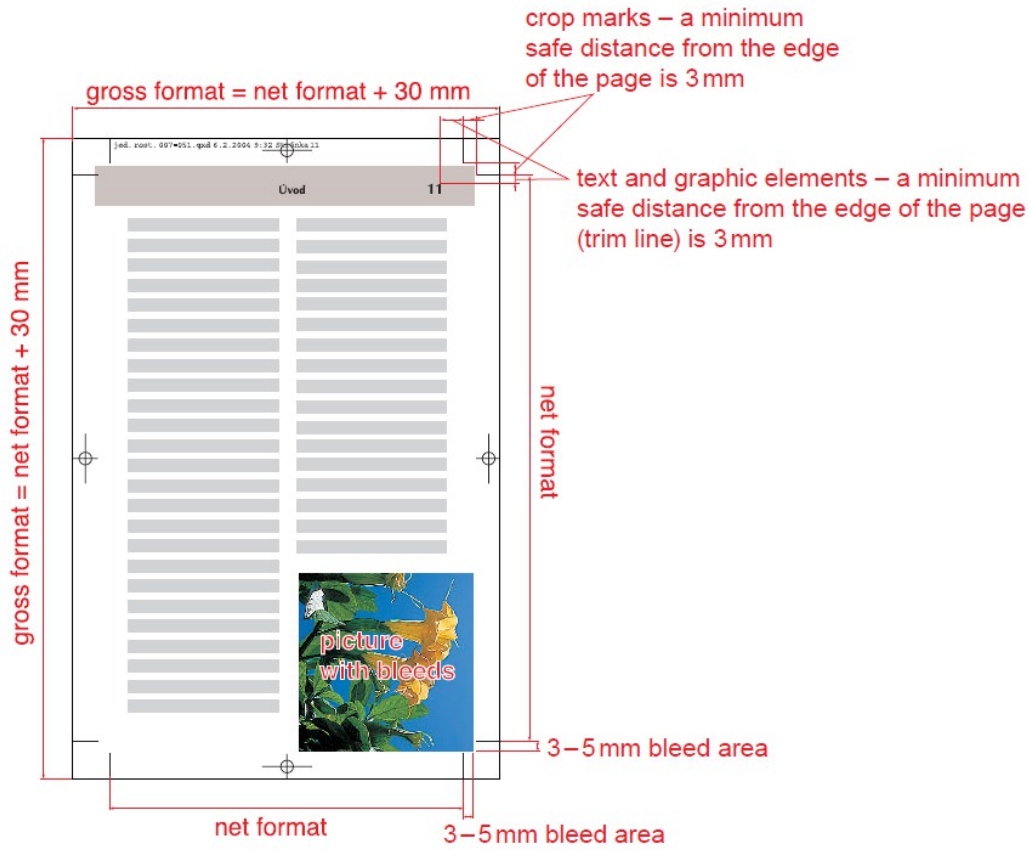
- for the paper type 1 (coated glossy) and type 2 (coated matt).....**PSOcoated_v3.icc**

- for the paper type 4 (uncoated offset).....**PSOuncoated_v3_FOGRA52.icc**

Prepress data that were prepared with older version of the ICC profiles do not need to be reworked. By agreement, we are then able to convert the data to actual printing conditions using specialized GMG software.

!!! In order to make it clear for what printing conditions the print data have been prepared, it is always necessary to indicate the "Output Intent Profile Name" in PDF or inform about it in communication with the sales officer.

PAGE PARAMETERS IN PDF FORMAT



SEPARATE PAGES



NO SPREADS !!!