

Prepress recommendations

1. PNB Print accepts documents for printing in PDF file format, composite, version 1.4 or later, using Press Quality settings.
2. Each component (cover, inside pages, endpapers) should be saved as a separate file.
3. PDF file should contain Trim Box in the size of final document. Document should be centered on the page.
4. Files should be prepared with bleed 3 mm, crop mark offset 3 mm, without Bleed Marks, Registration Marks and Color Bars.
5. Text and design elements should be located at the distance at least 3 mm from the page edge.
6. Inside pages should be saved in one PDF file if the file size does not exceed 500 MB. Bigger files should be splitted in several parts. Necessary blank pages have to be included in the document.
7. File name should start with page numbers, for example, 1-256_BookName.pdf. Use Latin letters only.
8. File name of corrected pages should differ from the name of the first version of the file, for example, 3_BookName-New.pdf. There should be sequentially following pages in the file only.
9. Cover should be prepared as a spread according to the layout from the technologist of PNB Print.
10. All used fonts have to be embedded in the PDF file.
11. Files in RGB colors are not accepted.
12. All SPOT colors should be converted to PROCESS, if it is not intended to print the job with SPOT colors.
13. Printing sequence should be determined by customer for jobs with opaque SPOT colors like metallic colors.
14. Recommended resolution - 300-350 ppi for Color or Grayscale pictures, 600-800 ppi for Bitmap images.
15. Total Ink Coverage should not exceed:
330 % for gloss coated paper
300 % for matt, silk or satin coated paper and LWC paper
260 - 280 % for uncoated paper
Using of appropriate ICC profile for converting colors from RGB to CMYK will provide the right TIC. Recommended ICC profiles see in the table 1.
16. ICC profiles should not be included in the file. Use them only for converting colors from RGB to CMYK.
17. CMYK grayish backgrounds or pictures should contain black ink as the main component. To get more Black in light areas of pictures special ICC profile can be used, for example: coated_FOGRA39_GCR_bas.icc, or similar.
18. Fine black elements (lines, text) should contain only one ink, 100 % black. Fine color elements should not contain more than 3 ink components.
19. Line width should not be smaller than 0.2 mm for fine white elements on 4-colour dark background.
20. Spot UV varnish, hot foil stamping and blind embossing elements should be prepared in separate files as 100 % Black. Text in these files should be converted to outlines.
21. Minimum line width of hot foil stamping elements should be 0.15 mm, minimum space between elements 0.25 mm.
22. Printed elements surrounded with foil should have overlap with the foil at least 0.4 mm.
23. Minimum thickness of blind embossing elements should be 1 mm, minimum space between elements – 1 mm.

Table 1. Recommended ICC profiles*

Paper type	ICC profile	TIC, %
Gloss Coated (1)	ISOcoated_v2_eci.icc	330
Matt, Silk or Satin Coated (2)	ISOcoated_v2_300_eci.icc	300
LWC Improved, Heatset (3)	PSO_LWC_Improved_eci.icc	300
LWC Standard, Heatset (3)	PSO_LWC_Standard_eci.icc	300
Super Calandered	SC_Paper_eci.icc	270
Uncoated (4, 5)**		260-280

* Other ICC profiles can be used if customer has positive experience with them and maximum TIC value is not exceeded.

** ICC profiles supplied by paper manufacturers can be used for uncoated papers.

Note.

Overprint Black option is applied in file ripping process for 100 % Black objects. Prepress department has to be informed if this option should not be used.