FILE preparation for printing

bluejet®

Branding Unlimited



www.bluejet.pl

LARGE FORMAT PRINTING

UV PRINTING, SOLVENT PRINTING, SUBLIMATION PRINTING

01

File formats



.pdf .tiff .jpg



.ai .cdr .indd .psd .eps

1.1 We only **ACCEPT** following files for order fulfillment

- TIF (with LZW compression, without layers – flattened),
- JPG (high quality),
- PDF

1.2 We **DO NOT ACCEPT** open files for order fulfillment

EPS; AI; CDR; INDD; PSD; PNG; SVG

1.3 ***PDF** files should be prepared as a composite file:

- postscript level 1, 2 or 3
- PDF version 1.5 or higher
- declared in the **TRIMBOX** or **CUTTING DIE** file
- cutting die as an additional spot color: **CUT**
- WHITE color - as a spot color channel: **WHITE**
- **we do not protect with a password**

Color space

2.1 All print files must be prepared in the CMYK color space with 8-bit color depth.

The machines in our company are based on **CMYK** with an additional **WHITE** color.
Colors such as **RGB, PANTONE, etc**. are automatically converted to **CMYK**.
** The printing house is not responsible for color differences created during conversion.*

2.2 DO NOT use **OVERPRINTS** for CMYK colors.
** The printing house is not responsible for printing errors caused by the use of overprints*



2.3 DO NOT use the **REGISTRATION** color inside the project

** The REGISTRATION color is a technical and non-printable color, in 90% of cases it disappears during printing. The printing house is not responsible for printing errors caused by the use of the registration color inside the project.*

2.4 To obtain deep **BLACK** in the file, use the **C30 M30 Y30 K100** color components

Bleeds and Safe Area

3.0 Bleeds are mandatory in each job:
- **3 mm** for standard 1-sided printing
- **5 mm** for 2-sided printing and for products on magnetic foils
- **min. 10 mm** for printing on fabrics
- **6 cm** for works stretched on a loom (frame)

3.1 All works printed on banner materials as well as textiles must include a **SAFE AREA** for texts and important graphic elements. **SAFE AREA** depends on the type of finish:

FINISH TYPE	SAFE AREA FOR FILE IN 1:1 SCALE
cutting to size + gromets,	3 cm
welding + grometss / hemming	4 cm
silicone strip	4 cm
reinforcing tape	4 cm
tunnel, pocket	4 + flat tunnel*
milling, plotting, die-cutting	1 cm

*tunnel, flat pocket for tube we calculate $\frac{1}{2}$ **x 3,14 x *fi* tubes *w cm;***
the result rounded up;

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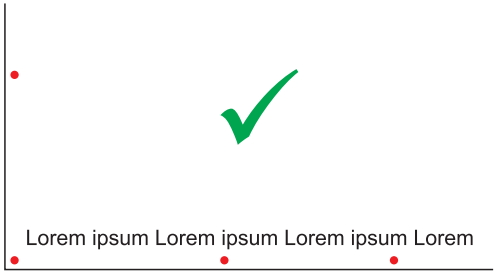
03

3.2 For **TEXTILE** materials - which are susceptible to stretching, the **SAFE AREA is variable and depends on the print length**:

- up to 1 lin.m. **4 cm**
- up to 5 lin.m. **5 cm**
- from 5 lin.m. to 10 lin.m. **10 cm**
- from 10 lin.m. to 20 lin.m. **20 cm**
- from 20 lin.m. to 30 lin.m. **30 cm**

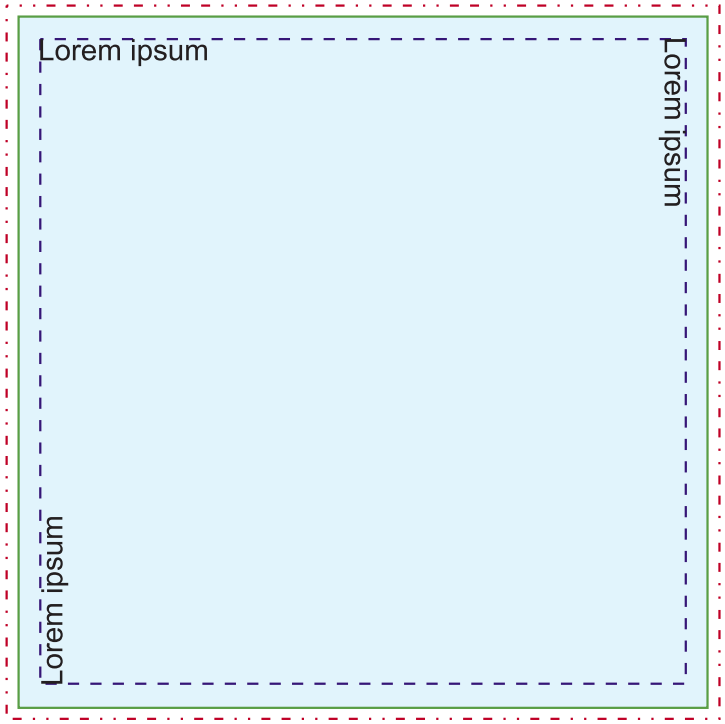
NOTE:

Failure to maintain the SAFE AREA in the file may result in: stitching/eyeleting/distortion of important design elements, e.g. graphics or text





Example:



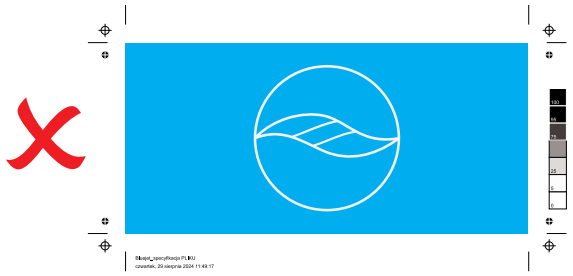
Dimension with bleed 101 x 101 cm

Target dimension 100 x 100 cm

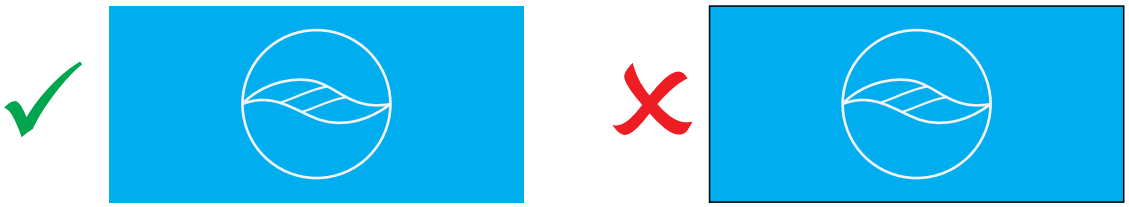
Safe area 96 x 96 cm

Printer's marks

4.0 Do not include eyelets, file descriptions, file names, cutting marks, densitometric (printer's) scale marks in the files, which are not a graphic motif.



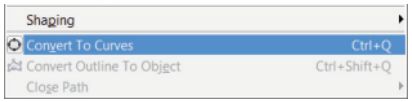
4.1 Frame (outline format) in files for printing - do not place **FRAMES** close to the edge of the graphic



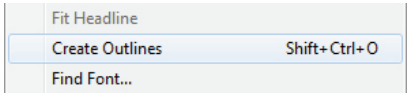
Texts in the file

5.0 All texts in the files must be converted to **VECTORS** (curves)

✓ OUTLINES



*corel draw



*Ilustrator

✗ OUTLINES text

Resolutions and scale

6.0 The maximum resolution of files should be between **150 and 300 dpi**

** in the case of scaled files, select the bitmap resolution according to the table below.*

SIZE OF WORK	RESOLUTION (FILE IN SCALE 1:1*)
up to A4 format	300 dpi
do 2 m^2	150 dpi
2-5m^2	100 dpi
5-25 m^2	80 dpi
25-50m^2	50 dpi
over 50m^2	30 dpi

** In the case of files in scale 1:10, the resolution must be 10x larger than that given in the table.*

6.1 SCALE of the file

- scale 1:1
- scale 1:10 in the case of files whose dimensions exceed 500 cm

***Note: PDF files have a software limitation. The maximum size of a PDF file is 4950 mm**

×	1 m	2 m	3 m	4 m	5 m	6 m	7 m	8 m	9 m	10 m
1 m	150	120	100	80	72	72	60	50	40	40
2 m	120	100	100	72	72	60	60	50	40	40
3 m	100	100	72	60	60	60	50	50	40	40
4 m	80	72	60	60	60	50	50	50	40	40
5 m	72	72	60	60	50	50	50	40	40	40
6 m	72	60	60	50	50	50	50	40	40	40
7 m	60	60	50	50	50	50	40	40	40	40
8 m	50	50	50	50	40	40	40	40	30	30
9 m	40	40	40	40	40	40	40	30	30	30
10 m	40	40	40	40	40	40	40	30	30	30

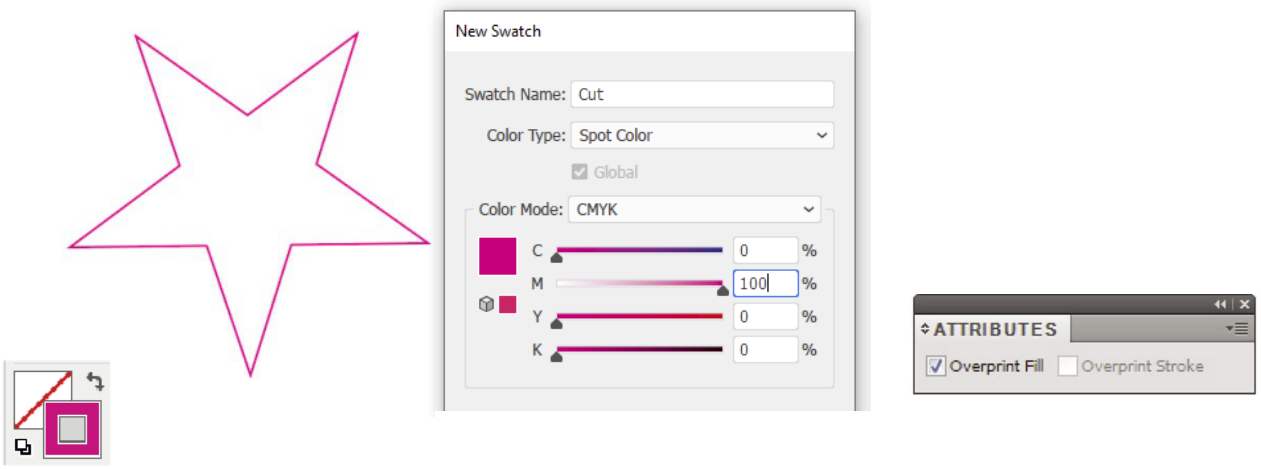
Approximate graphic resolutions for large-format prints (in pixels per inch) can be read from the table below:

Preparing a CUTTING DIE

7.0 In the case of works cut to shape, it is necessary to attach a so-called **CUTTING DIE** to the file.
The cutting die must always be saved as a vector and not a bitmap

***programs such as Photoshop do not support vector files and it is not possible to prepare a cutting die in them**

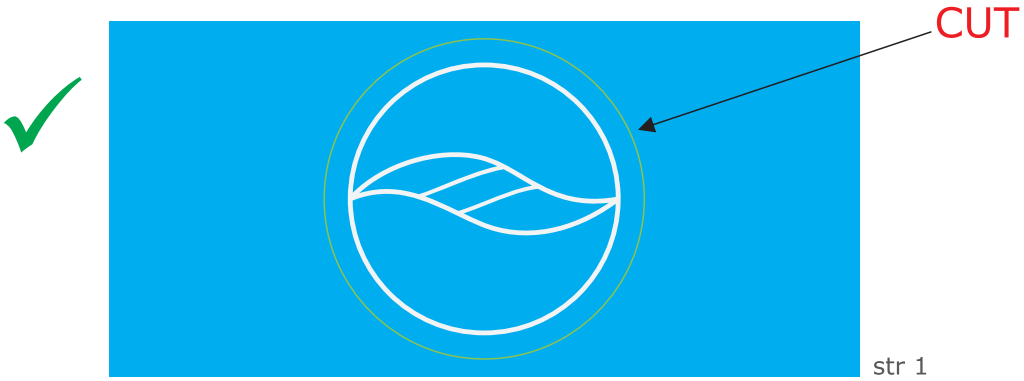
7.1 The cutting die should be prepared as an outline defined by an additional spot color called **CUT** with the **OVERPRINT** attribute



7.2 The cutting die should be prepared as an outline defined by an additional spot color called **CUT**



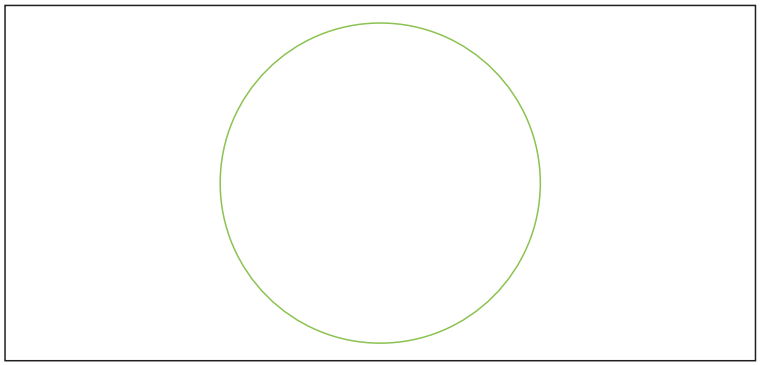
7.3 CUTTING DIE - the cutout shape should be placed on the graphic in the middle of the page, with the **OVERPRINT option (attribute) enabled**



str 1



str 1

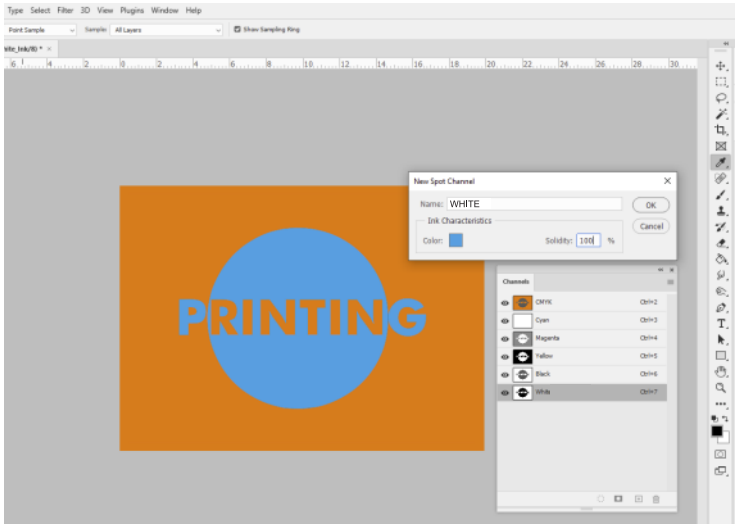


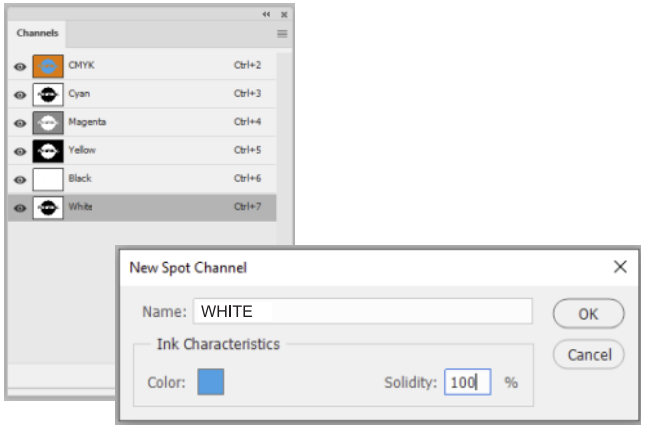
str 2

7.4 Cutting lines (cutting die) should always be closed paths

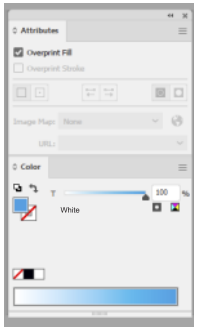
Preparing a file with additional WHITE color

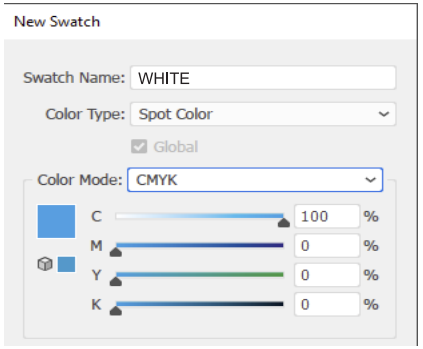
8.0 In the case of raster files (bitmaps), the white color under the graphic part should be prepared as a **new spot color channel with 100% opacity**, it can have any **CMYK** component, e.g. 100/0/0/0. The most important thing is its name (NAME): **WHITE**
The file should be saved as **TIFF** with the **additional colors option enabled**, without color profiles

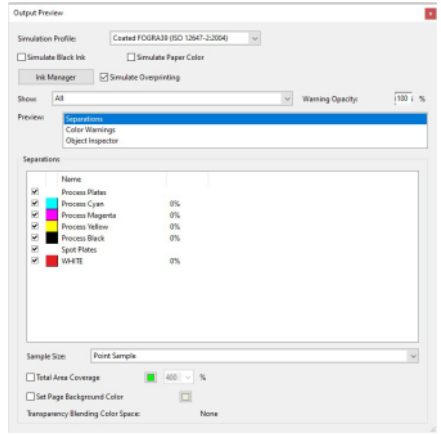




8.1 For vector files,
the white color should be prepared **on a separate layer as an additional color with 100% opacity,** named **WHITE** with the **OVERPRINT** option enabled on **top** of the graphic.







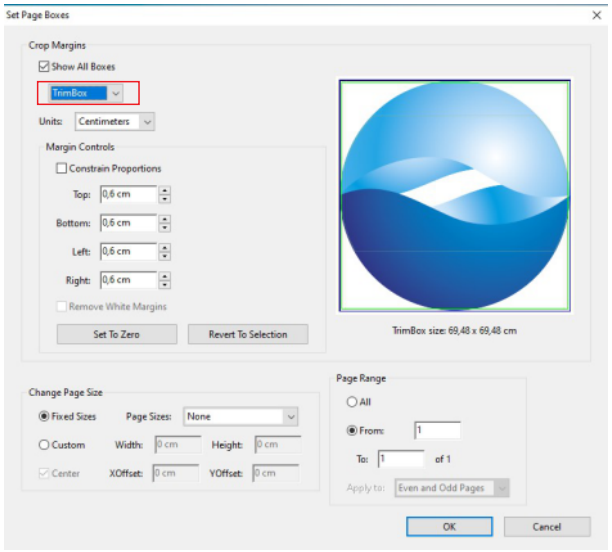
** The **WHITE** color must be visible as additional spot color in ACROBAT*

PDF file preparation

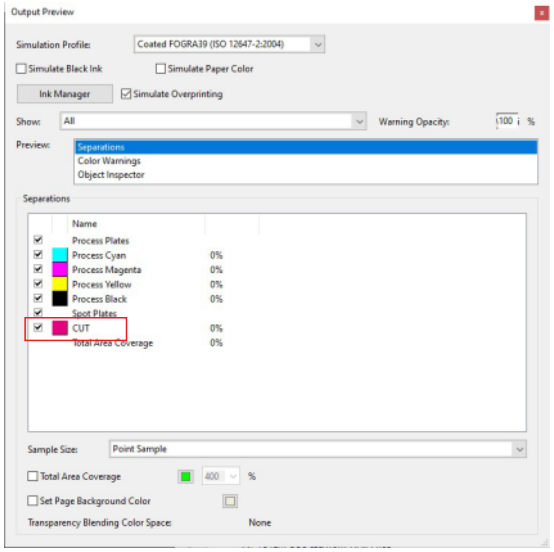
9.0 The dimensions of the work in the PDF file are specified by **the TRIMBOX field** or the **CUTTING DIE** marked with the spot color **CUT** (additional color)

** in the case of work cut from a cutting die, see point 6.3 (cutting die placed on the graphic)*

TRIM BOX



CUTTING DIE



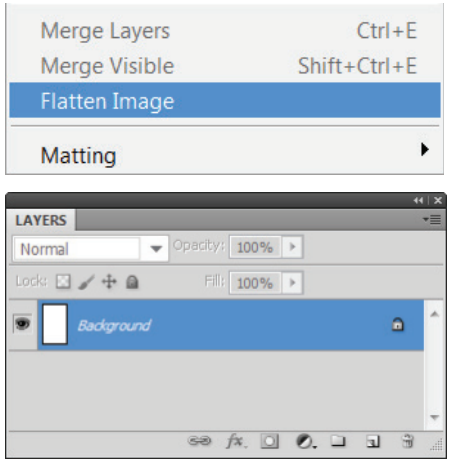
9.1 Each motif should be prepared in a separate file or a separate page in a multi-page file.

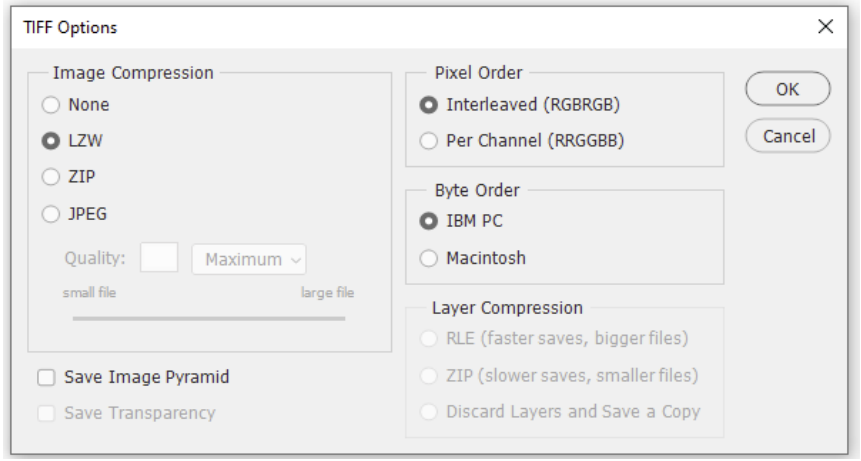
- **Do not mix** dimensions in works in multi-page files. 1 file 1 dimension
- **Do not place** multiple motifs on one page.
- **Do not mix** orientations in a multi-page file.

The orientation of the files must be consistent with the order and vice versa.

TIFF file preparation

9.2 TIFF files must be flattened to the background and saved with LZW compression





9.3 CMYK color mode **8 bits per channel**

9.4 Save **without color profiles**.

FILE name

10.0 **DO NOT USE** in file names:

- Diacritical marks of other nationalities
- Special characters **(, . ? @ # % ! {} [] () | „”<>\/`~* etc.)** and characters outside the Latin alphabet
- underscores '_' and dashes '-' are allowed

File names should be as short, legible and unambiguous as possible.
Allowing for their easy identification.

✓ *XMAS24-SFI_M1_Non-Food-TROSO Deluxe_370x1180mm_01.pdf*

✗ *XMAS24#SFI-001_Non-Food - Element above the price board TROSO Deluxe - 03.11.2024-25.12.2024 - M1Christmas 2024 - INT submission 370x1180mm_01.pdf*

Final Note

All files accepted by the printing house are verified by the internal PREFLIGHT system according to the above specification.

The printing house has the right to refuse to accept files made incorrectly.
Files that do not comply with the specification are withdrawn for correction.

All additional work related to adapting files to the requirements of the Bluejet printing house specification is performed by the internal DTP department.
We perform this work at the client's request and treat it as an additional service for a fee.