

Specification

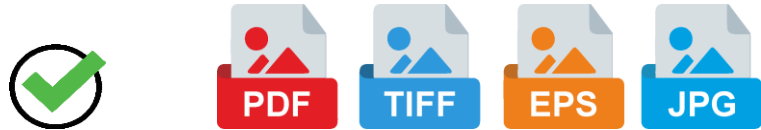
How to prepare files for printing? – PrintXL Guidelines

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1. File format and general rules

1.1. Accepted file formats:



- Accepted formats: **PDF** (preferred), **TIFF** (flattened file, LZW compression), **EPS** (properly layered), **JPG** (highest quality)
- PDF requirements: **PDF 1.6** (Acrobat 7) standard, composite file, no passwords or security

1.2. Unacceptable file formats:



1.3. Scale vs. print size:

- Projects **up to 5 m**: scale 1:1
- Projects **over 5 m**: scale 1:10

- ### 1.4.
- Files must be prepared in final trim size (net size). If the product requires finishing (e.g., eyelets, hemming), these are added during production.

2. Elements not allowed in files

2.1. Overprint:

- Using overprints may result in incorrect printing.



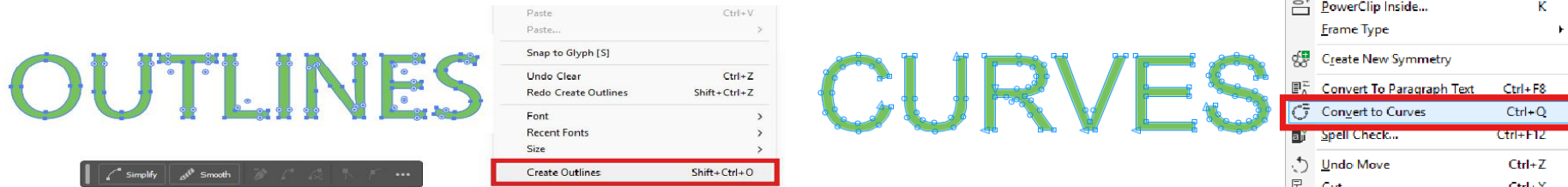
2.2. Prohibited elements:

- registration marks, descriptions, eyelet markers, scales, frames, auxiliary marks



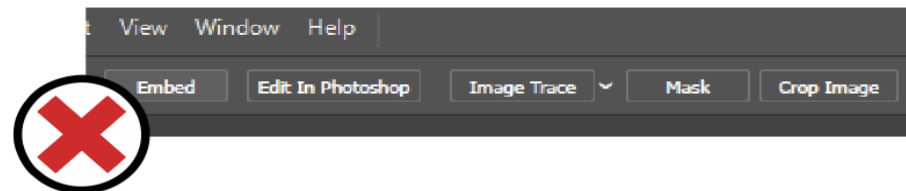
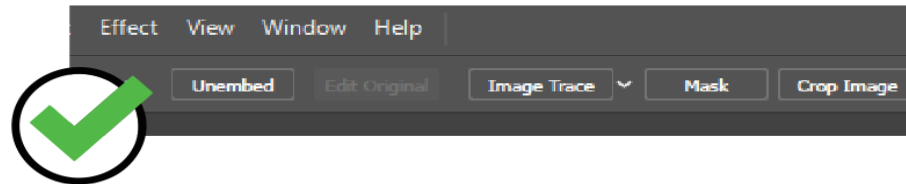
3. File content

3.1. Text: All text must be converted to **outlines**.



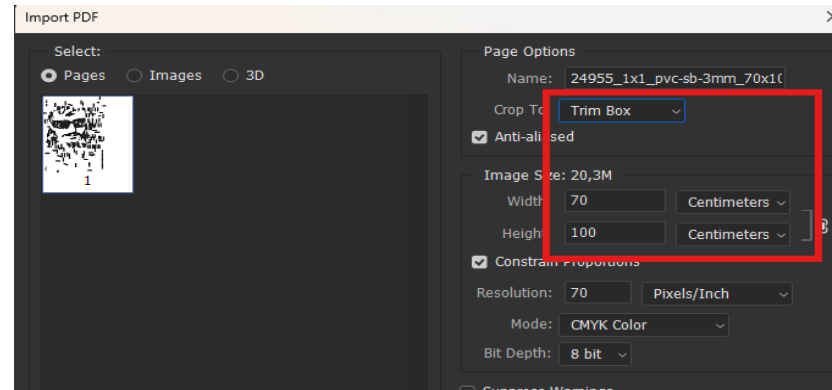
3.2. Must be embedded, 8-bit.

- All images and design elements must be embedded in the document (8-bit, no external links). Before sending, ensure that photos, objects, and fonts are not linked from disk folders or websites.



3.3. TrimBox:

- Files must contain a TrimBox matching the final format.

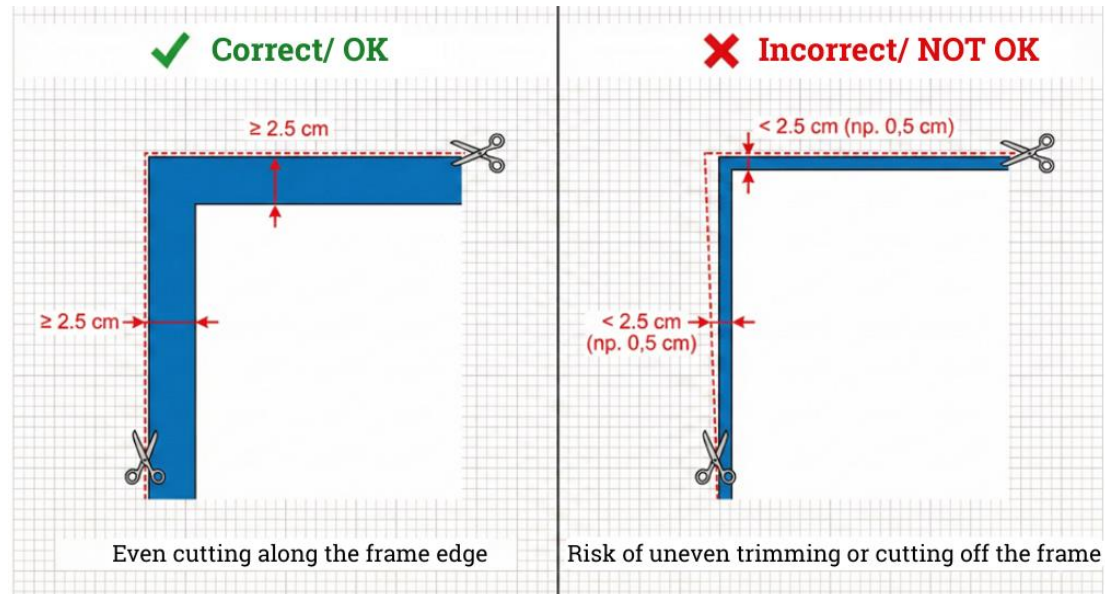


3.4. Safe area and frames:

- **Safe area (inner margin):** Each file must include a safe area for important graphic elements (logos, text). Margin size depends on finishing type:

Finishing	Safe area
To size + eyelets (BANNERS)	3 cm
Hemming	2 cm
Weld + eyelets	5 cm
Sleeve	5 cm + flat sleeve
To size (BOARDS)	1 cm

- **Frames in file:** To avoid trimming errors, the design should not contain frames close to the edge. If a frame is necessary, its thickness must be **minimum 2.5 cm**.



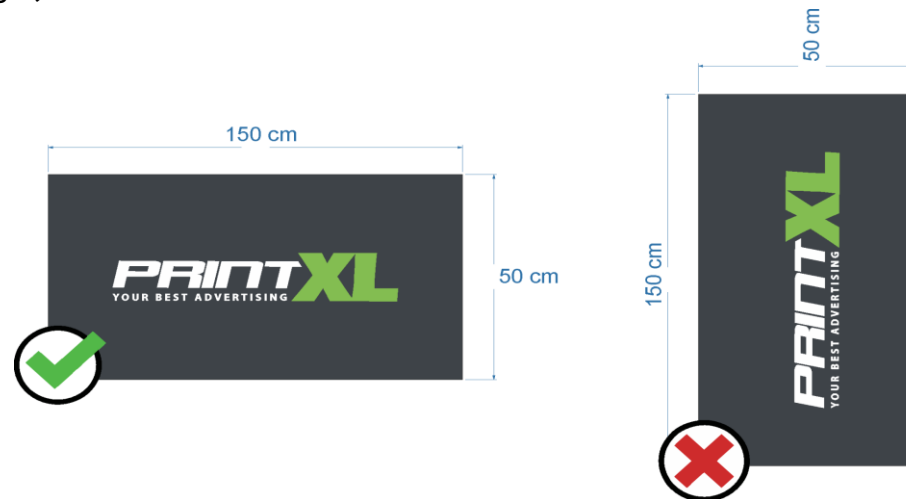
3.5. One motif = one file:

- Each graphic motif must be saved as a separate file.

3.6. File orientation:

- Must match the order (**crucial for proper finishing**).

Order size: 150 × 50 cm (width / height)

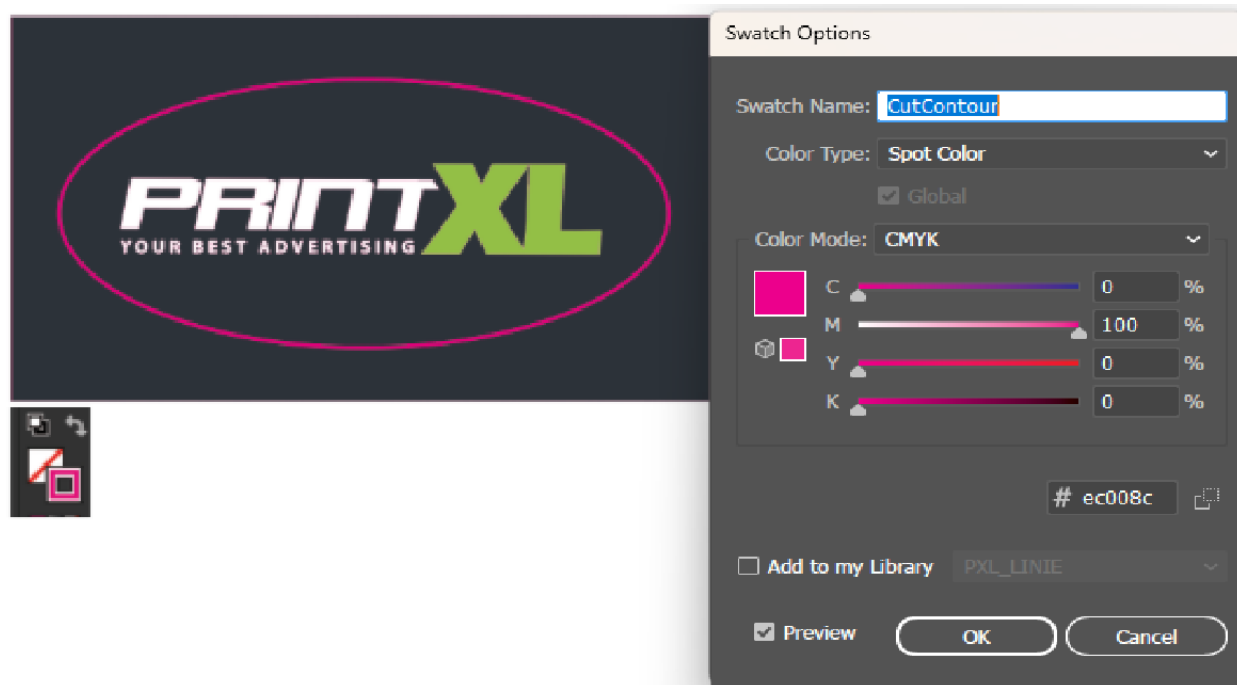

3.7. Resolution (DPI)

- recommended print resolution depends on the product type and viewing distance

Product type	Print size	Viewing distance	Recommended resolution
Roll-up, display wall	Up to 2 m ²	Up to 1,5 m	150 - 200 dpi
Advertising banner, etc.	Up to 8 m ²	From 2-5 m	70 - 150 dpi
Billboard, mesh	Up to 30 m ²	From 5-20 m	30 - 70 dpi
Large-format façade prints	> 30 m ²	> 20 m	15 - 30 dpi

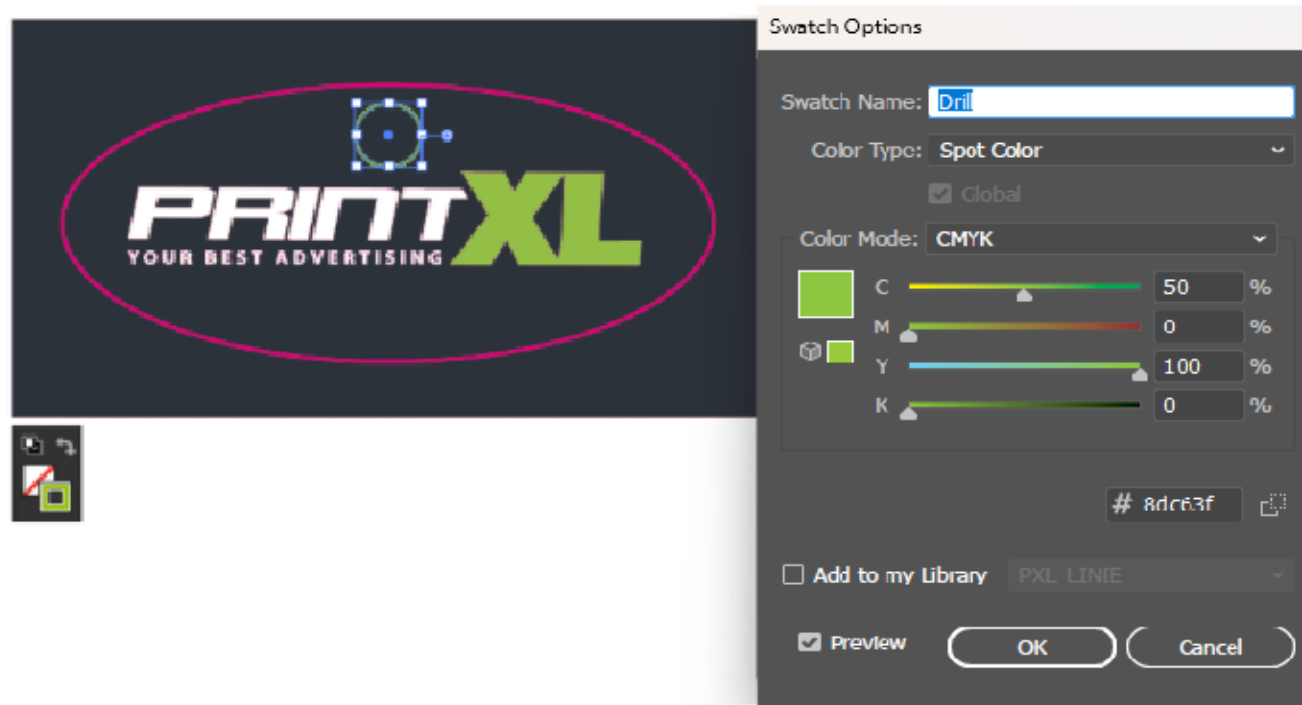
4. Cut line / die line

- 4.1. For projects requiring cutting to a non-standard shape, the appropriate die line must be included in the file.
- 4.2. How to prepare the die line:
 - The die line must be prepared as an outline placed on a separate layer in a vector file (PDF).
 - The die line color must be added to the color library as a **spot color** and named **CutContour**.
 - Enable **Overprint Stroke** for the die line.



4.3. How to prepare holes:

- Holes must be prepared as outlines placed on a separate layer in a vector file (PDF).
- The hole color must be added to the color library as a **spot color** and named **Drill**.
- Enable **Overprint Stroke** for the hole outlines.



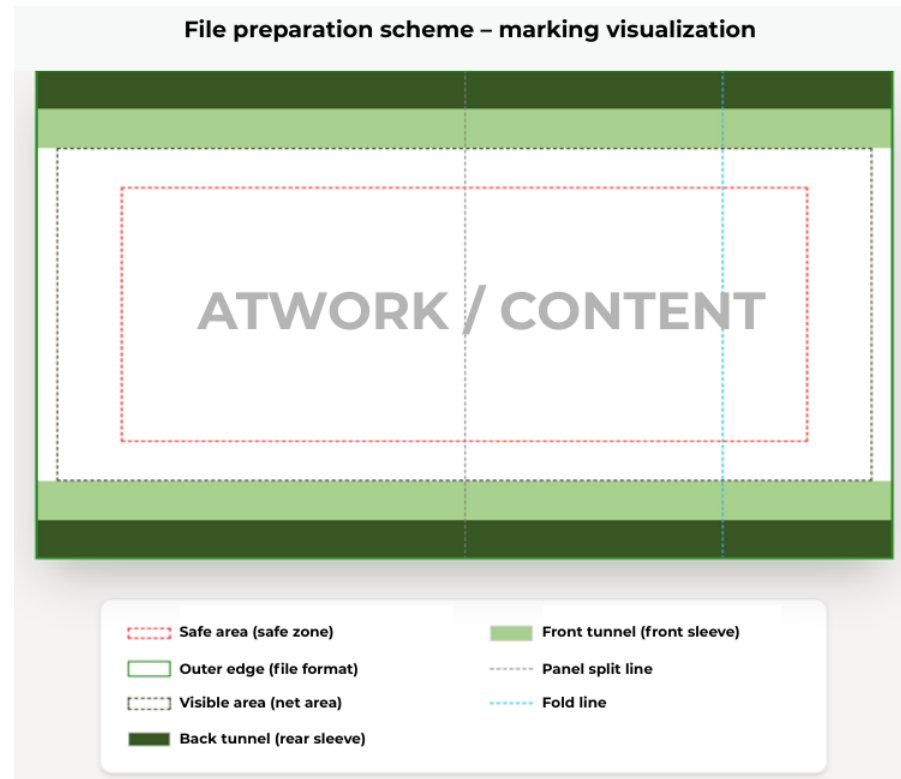
5. Preparing the design using a template

5.1. Downloading and applying the template.

- If a template is required, download it from the website or obtain it from your account manager. The template helps ensure the file is prepared correctly for printing.
- The design must be prepared according to the template legend, especially with regard to: bleed, safe areas, and cut lines.

5.2. Guide lines and template legend.

- The template contains guide lines and helper fields that must be removed after design work is completed, as leaving them in the file may result in them being printed.



5.3. Important information regarding template dimensions:

Templates provided by PrintXL include the gross size, taking into account the material allowance required for proper product finishing (e.g., sleeve, hemming, eyelets, silicone).

The finished product size after finishing will be smaller than the file size prepared based on the template.

The client should prepare the file in one of two variants:

- in the net product size,
- or in the size adjusted to the specific PrintXL template.

Files should not be prepared in other, non-standard sizes.

6. Prints with silicone tape (SEG)

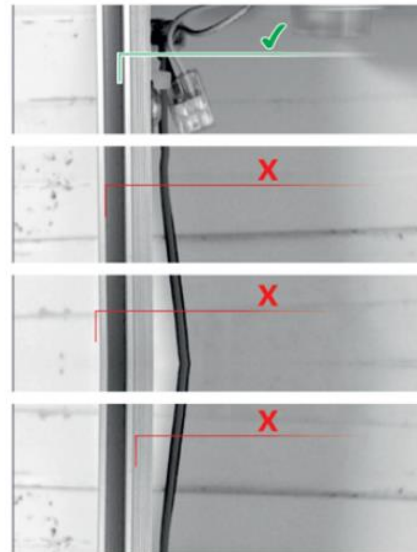
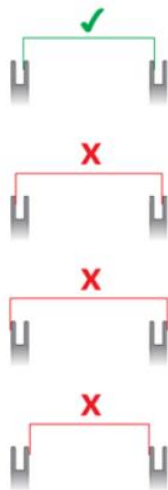
For prints with silicone tape (“SEG”):

- the file must be prepared in the size measured **inside to inside of the frame**,
- this is the dimension **from the inner edge to the inner edge of the grooves in the frame** into which the silicone tape is inserted,
- the given dimension is the **net size (visible after installation) and does not include the frame mounting elements**.

Incorrect dimensions may result in problems when installing the print in the frame.



How to take
measurements for silic
LED frame



7. Print colors

- 7.1. Artwork should be prepared in the **CMYK** color space and in **8-bit color depth**.
- 7.2. Files **must not contain embedded color profiles**. When saving the file, disable the option to include color profiles.
- 7.3. Files saved in other color spaces (e.g., **RGB**) are automatically converted to CMYK. The print shop is not responsible for color differences resulting from this conversion.
- 7.4. The same color may vary in shade depending on the printing technology used and the type of substrate (material).
- 7.5. Use black with the following values: C0 / M0 / Y0 / K100.

8. Color adjustment – possibilities and limitations

8.1. PANTONE references:

- Prints produced using sublimation technology should be compared to the **PANTONE Solid Uncoated guide**.
- Prints produced using **UV / UV Flat / Solvent / Latex** technology should be compared to the **PANTONE Solid Coated guide**.

8.2. Matching color to the CMYK palette:

- It is possible to match color based on the CMYK palette.
- In this case, please provide specific CMYK values in 10% increments (e.g., C20 / M20 / Y10 / K50).
- The maximum **K (black)** value is 50%.

8.3. Matching color to the RAL palette:

- It is possible to match color to the **RAL** palette. The RAL palette can be used for all materials except **sublimation-printed fabrics**.

8.4. Color reference:

- For orders requiring high color accuracy, a certified proof print (**Proof / Cromalin**) or the **Pantone** color number must be provided.

8.5. Test print:

A test print is recommended for repeat orders. The sample is archived as a reference for future jobs for up to 1 year from the last production.

8.6. Technological limitations:

- Digital printing does not guarantee perfect Pantone color reproduction — deviations may occur due to printing technology and substrate type.

Note:

Color adjustment is **not performed for gradients (tonal transitions)**.

9. File delivery

- 9.1. Recommended method – Email, WeTransfer, Dropbox.
- 9.2. Naming standard: name_size in cm_pdf (e.g., Lkkdjn_200x300_pdf).
- 9.3. File name must not contain any special characters (e.g., /, ?, #, &, etc.) or language-specific diacritical marks (e.g., ł, ź, ó, Ä, ö, ß, etc.).
- 9.4. The file name must not exceed 20 characters.

Note:

The printing house is not responsible for print quality resulting from errors in the supplied files, including but not limited to the use of overprints, prohibited graphic elements, incorrect project scale, or other improper settings. Orders are processed based on the files provided, without any modification to their content.