

# MATERIAL INSTRUCTIONS

# LARGE

# FORMATS

When submitting printable PDF Materials, please check the following:

## 1. IMAGE RESOLUTION

Continuous-tone image resolution should follow the limits for 1:1 sized images mentioned below.

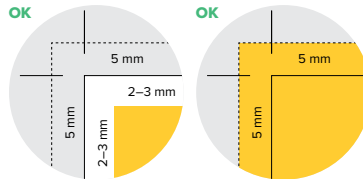
- 72–150 ppi
- for photo paper, 200 ppi
- for large fabrics, 50 ppi

For line art, the recommended resolution is 1200 ppi for all printing methods.

## 2. BLEED MARGINS 5 MM OK

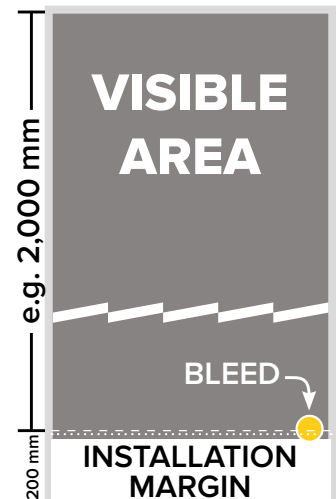
All materials must come with 5 mm bleed margins. Without bleed margins, there may be unwanted white areas on the edges of the printed product.

- for one-sided prints, 5 mm
- for two-sided prints, 10 mm
- note: **rollup materials** must have a 200 mm **installation margin**
- Sewing margins for different post-treatment methods:
  - Clean cut fabrics must have a 5 mm bleed.
  - When the edge of the fabric is folded and sewn (hemming), please leave a 20 mm sewing margin for each edge to be sewn.
  - There should also be a 20 mm sewing margin for a reinforcement band.
  - Tunnel hems need a sewing margin three times the diameter of the pipe. E.g. for a 50 mm pipe, leave a 150 mm sewing margin to the material.



## SUFFICIENT IMAGE RESOLUTION

ROLLUP:



## IF YOU'RE UNSURE, PLEASE ASK

## 3. FONTS

- Fonts must be complete and embedded entirely in the PDF.
- Fonts included in graphic files are most likely to work when converted into paths.
- Reverse types (white text on a coloured background) of less than 10 points must be discussed with the printer due to a possible misalignment affecting the readability of the text.

## 4. LINE THICKNESS

The smallest recommended line thickness is 0.25 pt. Narrow lines should not be used for multi-colour, rasterised or reverse printing.

**GRANO**

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Kuortaneenkatu 1  
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**grano.fi**

## 5. COLOURS

For four-colour materials, we recommend that you define the colours as process colours (CMYK); only additional colours are defined as SPOT/PANTONE colours. For digital printing, you can also use RGB colours in the images: Our default profile for RGB images is sRGB.

**Our recommended CMYK colour profiles:**

- coated paper: **IsoCoated\_v2, Coated FOGRA 39**
- uncoated paper: **IsoUncoated, PSO Uncoated**

If you are using RGB materials, we recommend that you submit a layout package.

## 6. CREATING A PDF

Regardless of the printing method, please note the following:

- Always include **cutting lines** in the PDF (with a 3 mm margin)
- The material must be **centred on the page**
- The material must be divided into individual pages, no double pages
- All pages must have the **same size** and **orientation**

## 7. OVERPRINT

Please do not use overprinting for any other partial colour than black or, when using a white additional colour, white. Ask for more information if you'd like to use overprinting for other colours.

## 8. FOUR-COLOUR BLACK

Please do not use four-colour black (= Registration black of layout programs). As an exception, fabric printing produces the best black with the following mix: C40/M40/Y20/K100.

## 9. SHAPE CUTTING

- Materials that need to be cut into shape must have cutting lines with the spot colour "Cut\_1" (M100) and overprinting. Ask for further instructions if necessary.
- The cutting line must be a **single continuous line**, not several separate pieces.
- If possible, submit the material **with and without the cut line**, making it possible to use the material with as many different printing methods as possible.

## 10. MATERIAL SUBMISSION

Please submit the material as agreed beforehand. We recommend that you pack the material into one .zip file.

**E-mail submission**

- You can submit the material by e-mail. You can find city-specific material submission addresses on the contact page of our website.  
The recommended max. size is 10 MB.

**FTP submission**

- Works both with a web browser and an FTP program.
- <https://transfer.grano.fi> – for temporary material transfers, the user can log in with a public username. Both the username and the password are "vieras".
- **After the transfer, please notify your contact person by e-mail.**



**PLEASE NOTE  
THAT PDF  
PROOFING AND  
ANY ADDITIONAL  
WORK DUE TO IT  
WILL BE  
INVOICED  
WORK UNLESS  
OTHERWISE  
AGREED.**

**100% BLACK  
0/0/0/100  
40/40/20/100**

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