

# MATERIAL INSTRUCTIONS

# OFFSET/ DIGITAL PRINTING

When submitting printable PDF materials, please check the following:

## 1. IMAGE RESOLUTION

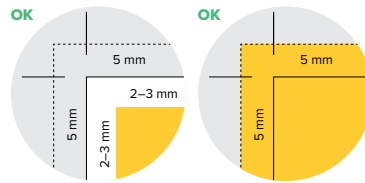
Continuous-tone image resolution should follow the below-mentioned suggestions for 1:1 sized images.

- Digital Printing 200–300 ppi
- Offset 200 ppi

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

## 2. BLEEDS 3 MM

All materials must come with 3 mm bleeds. Without bleed margins, there may be unwanted white areas on the edges of the printed product.



## 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 outlines.
- Negative type (white text on a coloured background) smaller than 10 points must be confirmed 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.

## 5. COLOURS

For four-colour works, we recommend that you define the colours as process colours (CMYK); only any 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. Be sure to always embed RGB and CMYK profiles in PDF files.

**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.

**SUFFICIENT  
IMAGE  
RESOLUTION**

**ALWAYS  
REMEMBER  
BLEEDS**

**IF YOU  
HAVE  
QUESTIONS,  
PLEASE ASK**

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## 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**
- All pages must have the **same size** and **orientation**

## 7. OVERPRINT

Please do not use overprinting for any other colour than black.

Ask for more information if you would like to use overprinting for other colours.

## 8. FOUR-COLOUR BLACK

Please do not use four-colour black (= Registration black of layout programs).

## 9. DIE CUTTING

- Die cut materials must have cut lines with the **spot colour "Cut\_1" (M100)** and **overprinting**. Ask for further instructions if necessary.
- The die 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.

### 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.**

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**PLEASE NOTE  
THAT PDF  
PROOFING AND  
ANY ADDITIONAL  
WORK DUE TO IT  
IS INVOICEABLE  
WORK UNLESS  
OTHERWISE  
AGREED.**

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**100 % BLACK  
0/0/0/100**