

### PDF type and version

- Preferred file format is PDF, ideally an PDF/X-4 or 1A.  
*PDF version should not be higher than 1.6*
- Other formats or file types (layered or native files) will increase the graphic processing costs **significantly**.  
*Please contact our customer service for more details.*

### File Submission

- Please send one file for each product (e.g. separate files for each sleeve, label or pac) and delete any unwanted files from that will not print from your file folder.
- if you have used a template number, please add this number to the file name.

### Tolerance/Bleed/Marks

- Files should have at least 2.5mm bleed.
- Trim marks or any other print/color information must be outside the print area.

### Images

- Color mode must be CMYK for 4c images, Grayscale for black and white images or Bitmap for line art.

### Resolution

- Color and Grayscale images - minimum 300 dpi
- Bitmap/Line Art images - minimum 1200 dpi

### Line widths/font sizes

- The minimum line weight should not be under 0,09mm in positive use; 0.2mm in negative use.
- Fonts should not be smaller than 4pt for positive texts and 6pt for negative texts.
- Please consider the line weight restrictions above for thinner font styles!

### Additional finishings

- Please note that **no additional finishings** can be applied to Ecorecord labels, as this causes gluing problems. We only have the possibility to print Ecorecord labels on standard paper with 4c or spot colors (production time is much longer than 4c).

### Colors

- Your PDF should contain only process colors - Cyan, Magenta, Yellow and Black plus All (registration color).
- Spot colors should be clearly named, e.g. as Pantone [Number].  
*Please avoid using any special characters (symbols etc.) as this causes problems in later processes (file ripping and printing plate output).*

### Rich Black

- For rich black, a combination of C40/M0/Y0/K100 is recommended. (*Rich black is not recommended for text. Text should be pure black only (100% K) - The result is sharper and cleaner.*)

### Material

- 150g Art Paper matte or similar material (e.g. professional Silk).

### Color Standards

- The **output intent** of your PDF/X file should be the valid ICC Profile (**PSO Coated V3 (FOGRA 51)** for Europe)
- *A file set containing RGB and CMYK profiles along with CSF files (for use with Adobe CC applications) can be obtained from our customer service or graphic/prepress unit.*

### Physical color proofs and color matching

- We print according to ISO standard 12647-2.  
We can only accept physical color proofs created to the (actual) valid IDE Alliancae ISO 12647-7 Standard, with a Color Media Wedge 2013

### Layers and other file settings

- All images and PDF files should not contain any layers.
- Please flatten all transparent objects
- Neither screen settings nor print curves nor tolerance values for clipped paths should be saved with the file.

### Printable tone value

- The printable tonal values range lies between 3-95%. Lower values do not print, higher values flatten out to look solid.

### UCR (Under Color Reduction)

- Total ink coverage should not exceed 280%. All values above this limit will be auto-converted (reduced) using intelligent color conversion technologies.

### Color trapping

- Color trappings are set by our printers themselves, matching their individual requirements for an optimal print result. There is no need to trap the files on your side.

