

### 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 and 6pt for negative texts.
- Please consider the line weight restrictions above when using thinner font styles!

### Additional finishings

- Please note that **no additional finishings** can be applied to Ecorecord labels, as this causes gluing problems.

### 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).*
- We only have the possibility to print Ecorecord labels on standard paper with 4c or spot colors (production time is much longer than 4c).

### 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 **PS0uncoated V3 (FOGRA 52)**.
- *A file set containing RGB and CMYK profiles for 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 color proofs created to the (current) ISO 12647-7 Standard, with a Ugra/FOGRA Color Media Wedge.

### 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).

### 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.

