

Requirements for BD/DVD/CD On-Body Label Print				
Europe	BD/DVD/CD	EDS003	Issue 6	Oct 2022

General information for screen

- Keylines (black circles) should not appear on final artwork/film as no bleed is used.
- Reference code, film number, film color and registration marks must appear on final artwork/film.
- Films, (photographic or imaging), should be positive, right-reading, emulsion up, made from original artwork. Emulsion must be 100% opaque in UV light, (minimum reading of 3.0 on a transmission densitometer).
- A separate film must be supplied for each color to be produced. Each film to be flat, clean and free from scratches and or any other defects.
- Film size should be no smaller than 150mm x 150mm with image centered on the sheet for all labels to enable punch register system.
- Four registration marks are required on each film. 90 mm between dot centers, 2 mm diameter.
- The minimum size of type printed for designs is:
 - positive: min. 5 point
 - negative: min. 7 point
- The minimum printable line weight is:
 - positive: 0.15 mm
 - negative: 0.25 mm
- Dot Structure: Elliptical dot shape is preferred for all halftone images and picture discs, but round dot shape is also acceptable.
- All colors from the Pantone Matching System (PMS) can be specified, with up to six colors per label image.

The PMS color and catalogue number must appear as indicated on standard label specifications.

- Tone range:
 - approx. 10 - 90% for CMYK process
 - approx. 15 - 85% for PMS colors
- Process separations are required for pictures and complex color printing.
- Screen Ruling:
 - single and duo process image: 120 lpi
- Screen angles:
- four-color process image:
 - Cyan - 15
 - Magenta - 45
 - Yellow - 0
 - Black (K) - 75
- Color application:
 - max. 300%
- Registration tolerance:
 - max. 0,1mm

NOTE: The order in which the films are printed can affect the overall finished print image. Please specify the order in which the colors should be printed. If unsure contact your reprographic house to clarify.

General information for offset:

Reference code must appear on final artwork.

- The minimum size of type printed for designs is:
 - positive: min. 5 point
 - negative: min. 6 point
- The minimum printable line weight is:
 - positive: 0.10 mm
 - negative: 0.20 mm
- Dot Structure: Elliptical dot shape is preferred for all halftone images and picture discs, but round dot shape is also acceptable.
- Printing sequence:
 - 1st color: silkscreen (white base usually)
 - 2nd - 5th color: dry offset (process colors Y, M, C, K)
 - 6th color: silkscreen (PMS color or varnish)
- Tone range:
 - approx. 5 - 95%
- Screen Ruling:
 - 175 lpi
- Screen angles:
 - Cyan - 15
 - Magenta - 75
 - Yellow - 0
 - Black (K) - 45
- Color application:
 - max. 300%
- Registration tolerance:
 - max. 0,1mm

‘Matchprints’ or ‘Cromalins’ should be supplied with all films/files - laser or inkjet proofs are unacceptable.

If acceptable proofs are not supplied, we shall generate our own internal ‘Matchprint’ references from our high quality, fully calibrated professional printing equipment.

NOTE: Due to the reflectivity of aluminum discs, the overall effect of printing a four-color process image onto the silver substrate may be significantly different from that of printing onto white paper. Should you wish to achieve the same effect as the colors on a cromalin or matchprint, please provide a base film and mark it clearly that it is to be printed in White.

Any amendments/corrections to films/files that become necessary will incur additional charges.

Electronic Artwork Requirements

Preferred production file formats

Preferred file format is High Resolution PDF ver 1.7 (Acrobat 8.0) with vectorized fonts, CMYK or Pantone, any additional Pantone color to be indicated on original PDF.

Acceptable alternative data formats

We have the following application software for output on Apple Macintosh:

- Quark Xpress 7.0
- Adobe Photoshop 10.0
- Adobe Illustrator 13.0

- Adobe Acrobat 8.0
- InDesign 5.0

If you are unsure as to compatibility with your systems, please ask your customer service representative. Any other type of file format will not be accepted.

Guidance for artwork content creation

- Client prepared files:
 - only CMYK files are acceptable (with the exception of Pantone and 1/2-colour jobs),
 - for screen printing - solid black (100% of K) areas do not require any undercoat,
 - for offset printing - solid black (100% of K) areas require CMY undercoat. We recommend undercoat of 0% cyan, 60% magenta and 40% yellow.
- All colors from the Pantone Matching System (PMS) can be specified up to 6 colors per label image including white base.
- Resolution:
 - o monochrome images: 1200 dpi
 - o greyscale: 600 dpi
 - o color images: 300 dpi
- Overprint:

No special overprint settings must be applied. If your design requires overprint, you must provide a separation, that specifies color required.
- To reduce delays, please bear the following in mind:
 - o Your file should include all external graphics files used for your image.
 - o All screen and printer fonts for your image must be supplied (your fonts will be archived with your job).
 - o Vectorized fonts should be provided to achieve the best printed result.
 - o Missing fonts lead to incorrect exposures.
- The following media types are acceptable transport systems:
 - o CD-R or DVD-R
 - Note that CD/DVD-R media is highly vulnerable to handling, it must be treated with utmost care before being sealed in its box and shipped
 - Avoid writing on the discs over the recorded area, only use the clear center for Identification purposes.
- For digital transfer of BD/DVD label images we offer the following system:
 - o Upload facility to a secure FTP site with allocation of unique username/password. Details on application.
- Chromalin or ICC calibrated proof required. If unavailable, Conectiv will work to a digital proof output from your supplied file.

Upload of electronic artwork to Conectiv

For details concerning upload of electronic artwork to Conectiv, please contact a Conectiv Customer Service Representative:

Ewa.Drozdowicz@Conectiv.net , telephone number +48 22 702 75 83

Virus Check

In case of a virus detection when controlling your master CD-R/DVD-R, Conectiv will send you the artwork back and ask for a new one. Conectiv will not be held responsible for the manufacturing delay if the above-mentioned problem occurs.