



Requirements for DVD/BD On-Body Label Print				
Europe	DVD/BD/CD	EDS003	Issue 4	Jan 2010

**General information for screen**

- Keylines (black circles) should not appear on final artwork/film as no bleed is used.
- Reference code, film number, film colour 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 colour 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 colours from the Pantone Matching System (PMS) can be specified, with up to six colours per label image.  
The PMS colour and catalogue number must appear as indicated on standard label specifications.
- Tone range:
  - approx. 10 - 90% for CMYK process
  - approx. 15 - 85% for PMS colours
- Process separations are required for pictures and complex colour printing.
- Screen Ruling:
  - single and duo process image: 120 lpi
- Screen angles:
  - four-colour process image: Cyan - 15° Magenta - 45° Yellow - 0° Black (K) - 75°
- Colour 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 colours 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:
  - 1<sup>st</sup> colour: silkscreen (white base usually)
  - 2<sup>nd</sup> - 5<sup>th</sup> colour: dry offset (process colours Y, M, C, K)
  - 6<sup>th</sup> colour: silkscreen (PMS colour or varnish)
- Tone range:
  - approx. 5 - 95%
- Screen Ruling:
  - 175 lpi
- Screen angles:
  - Cyan - 15° Magenta - 75° Yellow - 0° Black (K) - 45°
- Colour 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 aluminium discs, the overall effect of printing a four-colour 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 colours 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 colour 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:
  - o only CMYK files are acceptable (with the exception of Pantone and 1/2-colour jobs),
  - o for screen printing - solid black (100% of K) areas do not require any undercoat,
  - o for offset printing - solid black (100% of K) areas require CMY undercoat. We recommend undercoat of 0% cyan, 60% magenta and 40% yellow.
- All colours from the Pantone Matching System (PMS) can be specified up to 6 colours per label image including white base.
- Resolution:
  - o monochrome images: 1200 dpi
  - o greyscale: 600 dpi
  - o colour images: 300 dpi
- Overprint:

No special overprint settings must be applied. If your design requires overprint you must provide a separation, that specifies colour 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 centre 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, Technicolor will work to a digital proof output from your supplied file.



## Upload of electronic artwork to Technicolor

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

[Ewa.Drozdowicz@Technicolor.com](mailto:Ewa.Drozdowicz@Technicolor.com) , telephone number +48 22 702 75 83

[Agnieszka.Nestorowicz@Technicolor.com](mailto:Agnieszka.Nestorowicz@Technicolor.com) , telephone number +48 22 702 75 40

### Virus Check

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