

# COMPACT DISC LABEL SPECIFICATIONS

**DIGITAL  
DOMAIN™**

931 State Road 434 #1201-168  
Altamonte Springs, FL 32714  
(407) 831-0233

Cat. # (Insert #)  
Sheet 1 of (Insert #)  
PMS (insert #)

Stamping ring area may cause some distortion to artwork printed there. You may print in this area, but quality is not guaranteed.

Outer Diameter  
115 mm

Knockout.  
No ink here.



46 mm  
33.5 mm  
17 mm

COMPACT  
disc  
DIGITAL AUDIO



Do not leave  
template lines  
around print area.

Edge-To-Edge  
Inner Diameter  
37.8 mm

## REQUIREMENTS & RECOMMENDATIONS

The shaded areas above are the maximum allowable print areas on the Compact Disc. The standard area for text and graphics extends from 115mm to 46 mm. The edge-to-edge configuration allows printing in two additional areas: 1) From 46mm to 37.8mm (the *Digital Domain* logo and CD catalog number are embossed underneath here). 2) From 33.5mm to 17mm (this area is clear plastic, therefore a color may print differently here than on the silvered standard area).

**Note:** Printing is not permitted beyond the 115mm outer diameter, in the center area (17mm diameter), nor in the stacking ring (from 37.8mm to 33.5mm). Keylines (outline circles) should not appear on final artwork and film because they are outside the print area.

**Label film** must be positive (black image on clear acetate), right reading, with emulsion up (black emulsion on top of the acetate). Emulsion must have a density of at least 3.5 mils. Acetate must be at least 8" x 10" with the image centered on the sheet.

**Registration & Drop Outs:** In screen printing, a certain amount of overlap between adjoining images is required. This overlap will ensure proper registration of multi-colored images. There are three ways to improve registration:

**1) Trapping:** The first color prints bolder than the second color drop out. Drop outs should have a 1 point overlap (trap).

**2) Underprinting:** Print the first color as a solid. Print the second color with drop outs. This process is easier to register than trapping, but some colors may change when printed over another color. For best results, use a light background color with a darker foreground color.

**3) Overprinting:** Print the first color (label Sheet 1) as a solid. Print

the second color (Sheet 2) over it. This is also easier to register than trapping, but light colors printed over a dark background may change. For best results, print a dark color over a light color.

**Type** printed over a plain silver disc should be at least 4 points (bold face). Drop out type should be at least 6 points (bold face).



The minimum **line thickness** for positive images is 0.5 points. For reversed or negative images, the minimum is 1.5 points.

**Halftone images** must be 85 lines per inch to ensure legibility and reduce moire patterns. For best results, stay within the 20% to 80% dot range. For even better halftones, see *Additional Print Specifications*.

**Computer generated film** should be at least 1270 dpi for maximum legibility. For screens, blends, gradations, and four color process work, use at least 2400 dpi to help eliminate banding, or moire patterns.

Five **registration marks** are required on each film, four 3.5" from the center of the image at 90 degrees, one in the center. Line thickness of the marks should be 0.1mm maximum.

A registered form of the **compact disc logo** can appear on the label no less than 9/16 inches (14 mm) wide. This logo can be supplied by *Digital Domain* on request.

The **CD catalog number**, **consecutive numbering of sheets**, and **PMS number and color** must appear in the top right hand corner of the label film.

*Digital Domain* offers all **PMS colors** (Pantone Matching System) except fluorescent or day-glo. Labels are normally printed in one or two colors. Three and four color labels are available at additional charge. A separate film must be supplied for each color.