



CD & DVD Replication - Packaging - Logistics

Product specifications

2007 - v5.2

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music games movies



CD & DVD Replication - Packaging - Logistics

PRODUCT SPECIFICATIONS v5.2

ITEM	DESCRIPTION	REFERENCE
GRAPHICS SPECIFICATIONS FORM	✓ For CAD CD or DVD	<i>FORM_cad_disc_v5.2</i>
	✓ For CAD packaging	<i>FORM_cad_packaging_v5.2</i>
MASTER FOR	✓ CD Audio	<i>MAST_CDaudio_v5.2</i>
	✓ CD ROM	<i>MAST_CDrom_v5.2</i>
	✓ DVD	<i>MAST_DVD_v5.2</i>
CD PACKAGING	Inlay for standard CD jewel case	<i>PACK_inl_cd_v5.2</i>
	Booklet for standard CD jewel case	<i>PACK_bkt_cd_v5.2</i>
	Card CD wallet	<i>PACK_wall_card_cd_v5.2</i>
	Single CD inlay (extra-flat)	<i>PACK_inl_cdsing_v5.2</i>
DVD PACKAGING	Inlay for standard DVD box	<i>PACK_inl_dvd_v5.2</i>
	Booklet for standard and slim DVD boxes	<i>PACK_bkt_dvd_v5.2</i>
	✓ Inlay for slim DVD box	<i>PACK_inl_dvdslim_v5.2</i>
CD & DVD STANDARD PACKAGING	✓ Standard CD & DVD sticker for automatic application	<i>PACK_stick_cond_v5.2</i>
	Insert for CD and DVD boxes	<i>PACK_ins_v5.2</i>
PAGE IMPOSITION	Page imposition for a CD/DVD booklet or insert	<i>PACK_impos_bkt_v5.2</i>
PRINTING ON	✓ CD	<i>DISC_cd_v5.2</i>
	✓ DVD 5 & 9	<i>DISC_dvd_5&9_v5.2</i>
	DVD 10	<i>DISC_dvd_10_v5.2</i>
	✓ Part metallised CD	<i>DISC_cdmetal_v5.2</i>
	✓ Part metallised DVD	<i>DISC_dvdmetal_v5.2</i>
PACKAGING	Flowpack	<i>PACK_flow_v5.2</i>

✓ Specifications updated September 2007

Downloads

You can download the entire Product Specifications document from www.kdg.fr.

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2007 - v5.2 - www.kdg.fr

MASTER for CD Audio

Acceptable media for direct creation of glassmaster:

MASTER: CD-R

Must be burnt according to Philips-Sony "Red Book" standard.

"Disc at once" and "mono session" preferred.

MASTER: CD-R format DDP 1.0

This format requires a transfer and an additional check (charge involved).

MASTER: EXABYTE OR U-MATIC TAPE

Recorded to professional standard for audio content for CD replication.

Other acceptable media requiring pre-mastering (charges apply):

Masters: DAT, 1/4" analogue tape, hard disc, CD-ROM, etc.

Additional requirements:

- The master must be recorded to professional standards for CD Audio replication (sampling frequency, PQ codes PQ, index, starting frames, etc.). WAV format is not a CD Audio standard.
 - Be sure to check your content (hiss between tracks, clicks, etc.). We will not manipulate your master. The final discs will be identical to your master.
 - The standard length of a CD Audio is 74 minutes. kdg will accept content up to 76 min. 25 secs long. Above that, we will ask you to absolve us in writing from responsibility if some players cannot read beyond this point (max. recordable time is 80 min.)
 - It is important to use new, high-quality media to record your master for CD pressing. There should be no fingerprints or scratches on the master.
 - The media you send us should be a copy of your master. The items you send us are used for actual manufacture and are not regarded as an archive.
- For fast and accurate identification, please use a felt-tip pen to write on the master:
- > The reference and title of your product
 - > Whether the content is protected or not
 - > The format, if it is a DDP
 - > Your name

MASTER for CD Audio

Ref.: **MAST_CDaudio_v5.2**

Pre-mastering Audio

You have audio content which you want to make available for listening on CD Audio.

We can offer you a wide range of services for formatting your content: enhancement, noise removal, reformatting WAV files, etc. to optimise CD listening enjoyment.

We can handle the following formats:

- CD extra
- CD text

Just ask us!

Ref.: **MAST_CDaudio_v5.2**

More information?
Go to www.kdg.fr

kdg guidelines for sending media:

- The media you send us will be a copy of your master. These items are used for product manufacture and are not regarded as an archive.
- For fast and accurate identification, use a suitable felt-tip pen to note the product reference and title on the master, whether the content is protected, and your name.



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MASTER for CD ROM

Acceptable media for direct creation of glassmaster:

MASTER: CD-R

Must be burnt according to Philips-Sony "Red Book" standard.

If your project does not require "multi session" format (CD-XA, etc.), use "mono session" and "disk at once" to burn your disc.

MASTER: CD-R format DDP 1.0

This format requires a transfer and an additional check (charge involved).

Other acceptable media requiring pre-mastering (charges apply):

Masters: MAC/PC hard disc, CD-ROM, etc.

Additional requirements:

- The master must be recorded to professional standards for CR ROM replication: ISO 9660, 8-character.XXX file names. The Joliet standard is acceptable. Hard disc already defragmented, etc.
 - Before sending your master, be sure to check your content (anti-virus check, "playability" on intended platforms, etc. We will not manipulate your master. The final discs will be identical to your master.
 - The maximum size for a standard CD ROM is 640 MB. kdg will accept content up to 673 MB. Above that, we will ask you to absolve us in writing from responsibility if some players cannot read beyond this point. (max. recordable size: 700 MB)
 - It is important to use new, high-quality media to record your master for CD replication. There should be no fingerprints or scratches on the master.
 - The media you send us should be a copy of your master. The items you send us are used for actual manufacture and are not regarded as an archive.
- For fast and accurate identification, use a suitable felt-tip pen to indicate the product reference number and title on your master, whether the content is protected (Macrovision, Star-Force, etc.), and your name.

MASTER for CD ROM

Ref.: **MAST_CDrom_v5.2**

Pre-mastering CD ROM

You have content to be distributed on CD ROM:
We can offer you a wide range of production services for formatting your content.

We can handle the following formats:

- ISO 9660 Level 1 and 2
- Apple HFS
- CD Hybrid
- CD Extra
- CD ROM video
- CD text

Just ask us!

Ref.: **MAST_CDrom_v5.2**

More information?
Go to www.kdg.fr

kdg guidelines for sending media:

- The media you send us will be a copy of your master. These items are used for product manufacture and are not regarded as an archive.
- For fast and accurate identification, use a suitable felt-tip pen to indicate the product reference number and title on your master, layer 0 or 1, whether the content is protected (Macrovision, Star-Force, etc.), and your name.



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MASTER for DVD

Acceptable media for direct creation of glassmaster:

MASTER : DLT TYPE III AND IV

- Recorded to professional standards for DVD pressing, using DVD pre-mastering software
- Only DLT-compatible Quantum discs are acceptable - type III and IV

MASTER: DVD-R format DDP 2.0

This format requires a transfer and an additional check (charge involved).

MASTER : DVD-R, DVD+R (single or double layer)

- Burnt to DVD video or DVD ROM standard (UDF format)
- Preferably “disc at once” and, importantly, “mono session”.

We can accept

- 1 DVD-R single layer for a DVD 5
 - 2 DVD-R single layer for a DVD 10
 - 1 DVD-R double layer for a DVD 9.
- Make sure the cut point between layers is where you want it to be on the disc.

Note: If your content is CSS protected, we cannot accept your DVD-R as a master.

Additional requirements:

DVD VIDEO

Pre-mastering must use the following coding:

- DDP version 2.0 or
- CMF version 1.0

Important: Software protection using DLT cassettes is not suitable.

DVD ROM

The DVD standard allows for file names in accordance with ISO 9660 level 1.

File name and extension: “8 characters. XXX”

The file path must not exceed 8 levels, including the root.

- Before sending your master, be sure to check your content (anti-virus check, “playability” on intended platforms, etc. We will not manipulate your master. The final discs will be identical to your master.

- It is important to use new, high-quality media to record your master for CD replication. There should be no fingerprints or scratches on the master.

- The media you send us should be a copy of your master. The items you send us are used for actual manufacture and are not regarded as an archive.

- For fast and accurate identification, use a suitable felt-tip pen to indicate the product reference number and title on your master, layer 0 or 1, whether the content is protected (Macrovision, CSS, Star-Force, RipGuard, etc.) and your name.

MASTER for DVD

Ref.: **MAST_DVD_v5.2**

Possible DVD types

A DVD consists of two thin discs (0.6 mm each) glued together.

Three capacities are available:

- DVD 5 :
One thin, pressed disc glued to a blank disc - max. capacity 4.7 GB.
- DVD 10:
Two thin pressed discs glued together, both faces readable - max. capacity 9.4 GB.
- DVD 9 :
Two thin pressed discs glued together, readable from the same side - max. capacity 8.6 GB.

Ref.: **MAST_DVD_v5.2**

More information?
Go to www.kdg.fr

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- For fast and accurate identification, use a suitable felt-tip pen to indicate the product reference number and title on your master, layer 0 or 1, whether the content is protected (Macrovision, CSS, Star-Force, etc.), and your name.

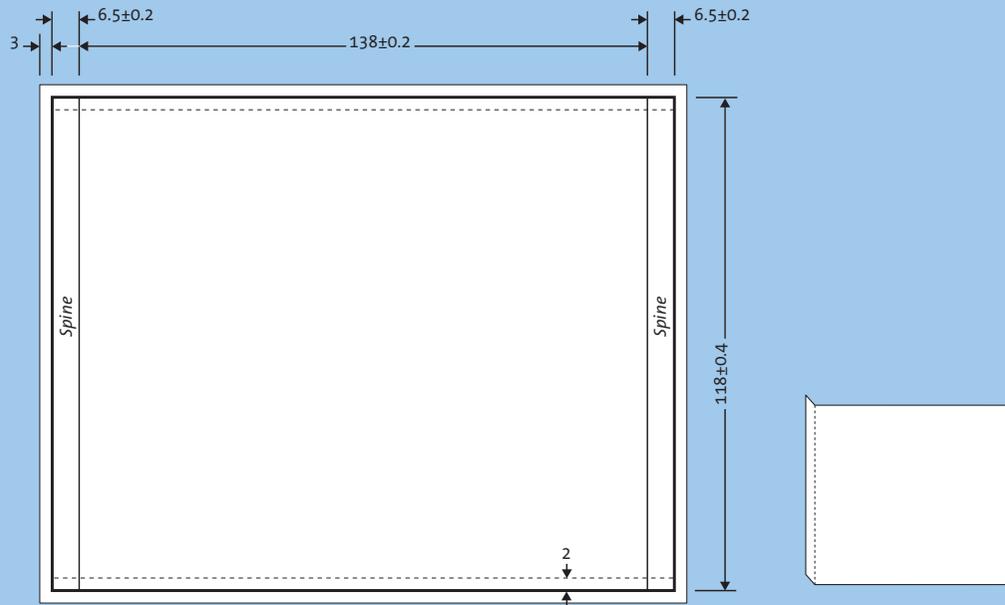


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kdg france template - Inlay for standard CD jewel case

- Image area (3 mm trim or full bleed)
- Final trim area
- Text area

(Dimensions in mm)



STANDARD CD PACKAGING

Inlay for CD jewel case

Ref.: **PACK_inl_cd_v5.2**

Standard printing

- Method: OFFSET
- Printed surface: recto only or recto/verso
- Colours: 4-colour (CMYK)
- Finish: acrylic varnish
- Paper quality: 150 g glossy
- Size flat: 151 x 118 mm
- Size folded: 138 x 118 mm
- Bleed: 3 mm

Specials

For non-standard printing such as:

- Pantone
- Different paper quality (heavier weight, fancy paper, etc.)
- Special varnishes

Just ask us!

Ref.: **PACK_inl_cd_v5.2**

Designer info? Go to www.kdg.fr

Advice, recommendations, specification sheets,
to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.

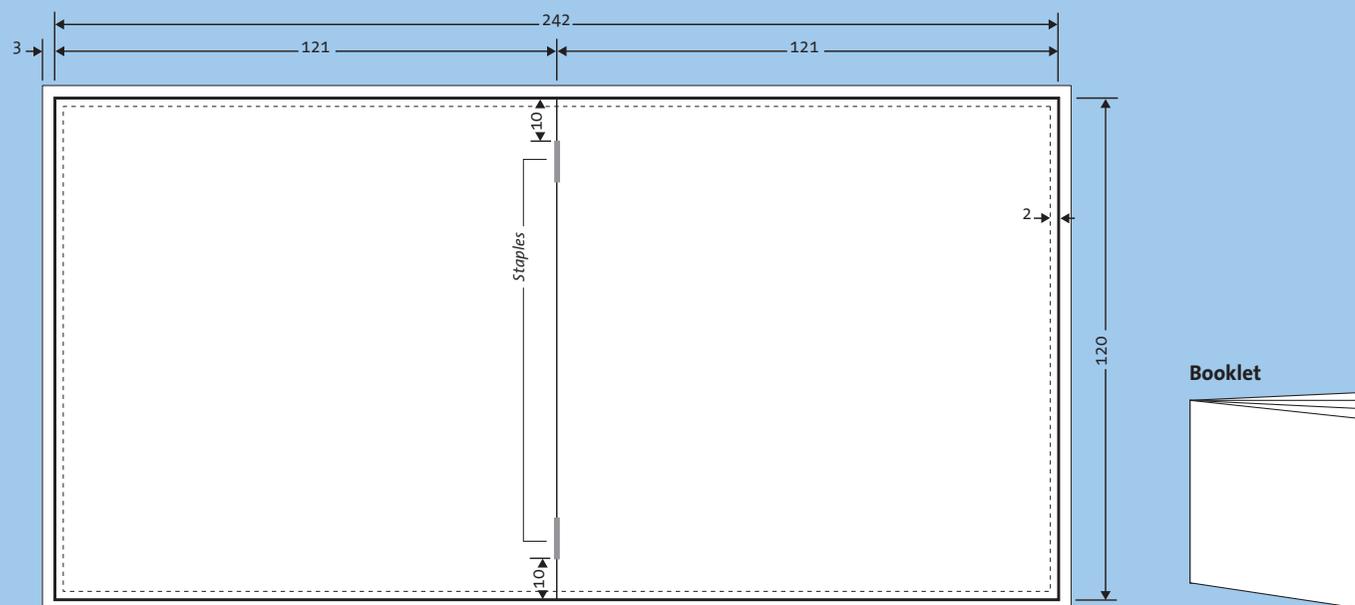


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kdg france template - Booklet for standard CD jewel case

- Image area (3 mm trim or full bleed)
- Final trim area
- Text area

(Dimensions in mm)



If you would like to proceed with mounting the pages of your document, please refer to our technical specification **Page imposition for a CD/DVD booklet or insert.**

Ref.: **PACK_bkt_cd_v5.2**

Designer info? Go to www.kdg.fr

Advice, recommendations, specification sheets,
to consult or download

kdg guidelines for sending media:

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STANDARD CD PACKAGING

Booklet for CD jewel case

Ref.: **PACK_bkt_cd_v5.2**

Standard booklet

- Method: OFFSET
 - 4-colour (CMYK) cover and B/W inside or 4-colour cover and inside
 - Finish: acrylic varnish
 - Glossy paper:
 - 4 to 16 pages :
150 g for cover
and inside pages
 - above 20 pages :
150 g for cover
90 g inside pages
 - Size flat: 242 x 120 mm
 - Size folded: 121 x 120 mm
 - Bleed: 3 mm
 - No. standard pages: 4 to 28
 - Max. thickness: 1.8 mm
(or 28 pp incl. cover).
- For thicker booklets, contact us.

Specials

For non-standard printing such as: Pantone, fancy paper, heavier paper, special coatings, accordion folds... Just ask us!

kdg Service Plus

If you give us a file containing numbered pages, kdg will arrange their imposition. Refer to our technical specification **Page imposition for a CD/DVD booklet or insert.**

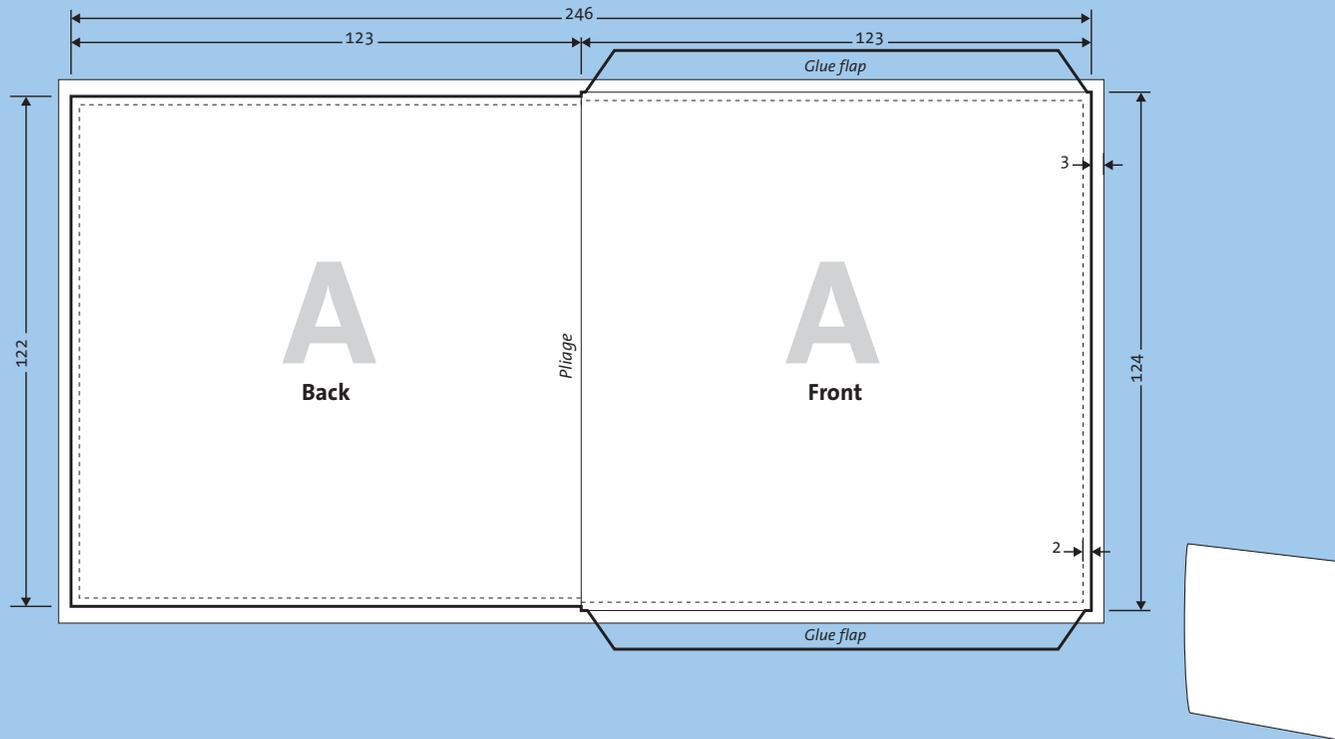


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kdg france template - Standard card CD wallet

-  Image area (3 mm trim or full bleed)
-  Final trim area
-  Text area

(Dimensions in mm)



STANDARD CD PACKAGING

Card CD wallet

Ref.: **PACK_wall_card_cd_v5.2**

Standard printing

- Method: OFFSET
- Printed surface: recto only
- Colours: 4-colour (CMYK)
- Finish: acrylic varnish
- Paper quality: 215 g
Recto coated 1 side
Verso white card
- Size flat: 246 x 124 mm
- Size folded: 123 x 124 mm
- Bleed: 3 mm

Specials

For non-standard printing such as: Pantone, fancy paper, heavier paper, special varnishes, etc.

Just ask us!

Ref.: **PACK_wall_card_cd_v5.2**

Designer info?

Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

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*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.

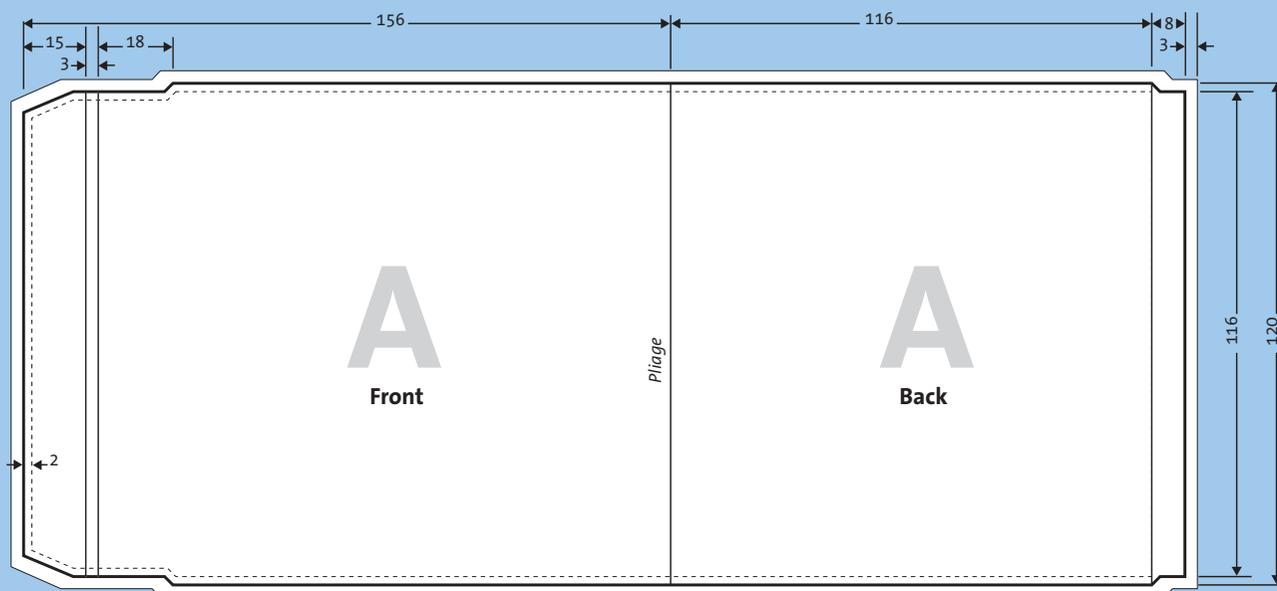


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kdg france template - Inlay for CD single jewel case (extra-flat)

-  Image area (3 mm trim or full bleed)
-  Final trim area
-  Text area

(Dimensions in mm)



STANDARD CD PACKAGING

CD single inlay

Ref.: **PACK_inl_cdsing_v5.2**

Standard printing

- Method: OFFSET
- Printed surface: recto only or recto/verso
- Colours: 4-colour (CMYK)
- Finish: acrylic varnish
- Paper quality: 150 g glossy
- Size flat: 272 x 120 mm
- Size folded: 156 x 120 mm
- Bleed: 3 mm

Specials

For non-standard printing such as: Pantone, fancy paper, heavier paper, special varnishes, etc.

Just ask us!

Ref.: **PACK_inl_cdsing_v5.2**

Designer info?

Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

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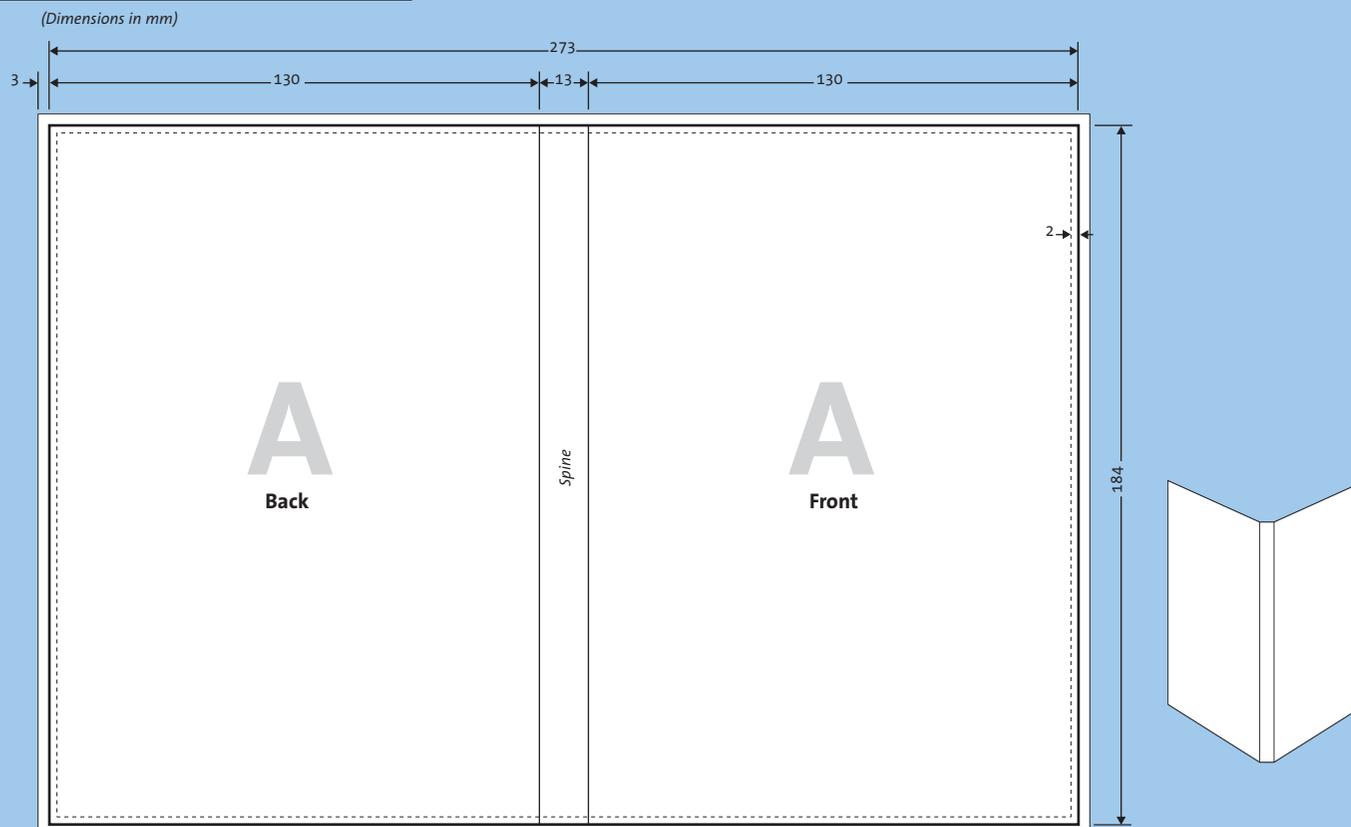
*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.



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kdg france template - Inlay for standard DVD box (15mm spine)

-  Image area (3 mm trim or full bleed)
-  Final trim area
-  Text area



STANDARD DVD PACKAGING

DVD inlay

Réf.: **PACK_inl_dvd_v5.2**

Standard printing

- Method: OFFSET
- Printed surface: recto only or recto/verso
- Colours : 4-colour (CMYK)
- Finish: acrylic varnish
- Paper quality: 150 g, glossy
- Size flat: 273 x 184 mm
- Size folded: 130 x 184 mm
- Bleed: 3 mm

Specials

For non-standard printing such as:
Pantone, fancy paper, heavier paper, special varnishes, etc.

Just ask us!

Ref.: **PACK_inl_dvd_v5.2**

Designer info?

Go to www.kdg.fr

Advice, recommendations, specification sheets,
to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

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*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.

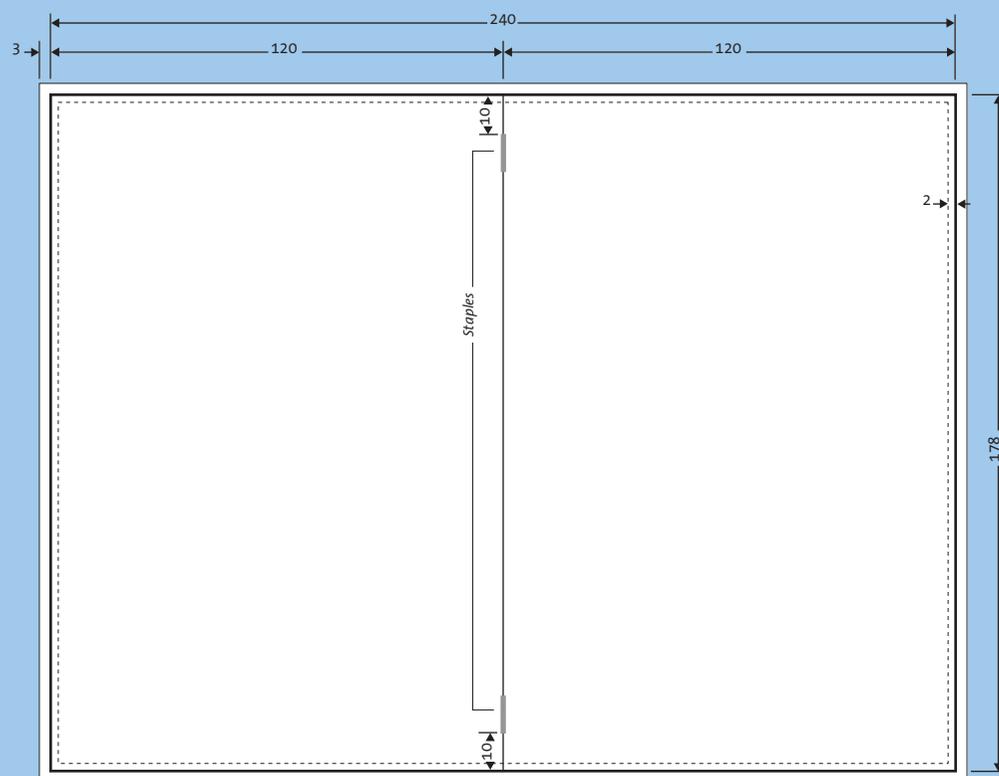


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kdg france template - Booklet for standard and slim DVD boxes

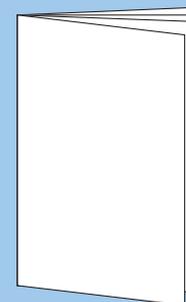
- Image area (3 mm trim or full bleed)
- Final trim area
- Text area

(Dimensions in mm)



If you would like to proceed with mounting the pages of your document, please refer to our technical specification **Page imposition for a CD/DVD booklet or insert.**

Booklet



STANDARD DVD PACKAGING Booklet for DVD boxes

Ref.: **PACK_bkt_dvd_v5.2**

Standard booklet

- Method: OFFSET
- Colours: 4-colour (CMYK) cover and B/W inside or 4-colour cover and inside
- Finish: acrylic varnish
- Paper quality: glossy:
 - 4 to 16 pages : 150 g for cover and inside pages
 - above 20 pages : 150 g for cover 90 g inside pages
- Size flat: 240 x 178 mm
- Size folded: 120 x 178 mm
- Bleed: 3 mm
- No. pages : 4 to 56 for standard DVD box 4 to 12 for slim DVD box

Specials

For non-standard printing such as: Pantone, fancy paper, heavier paper, special varnishes, accordion folds etc.

Just ask us!

kdg Service Plus

If you give us a file containing numbered pages, kdg will arrange their imposition. Refer to our technical specification **Page imposition for a CD/DVD booklet or insert.**

Ref.: **PACK_bkt_dvd_v5.2**

Designer info? Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

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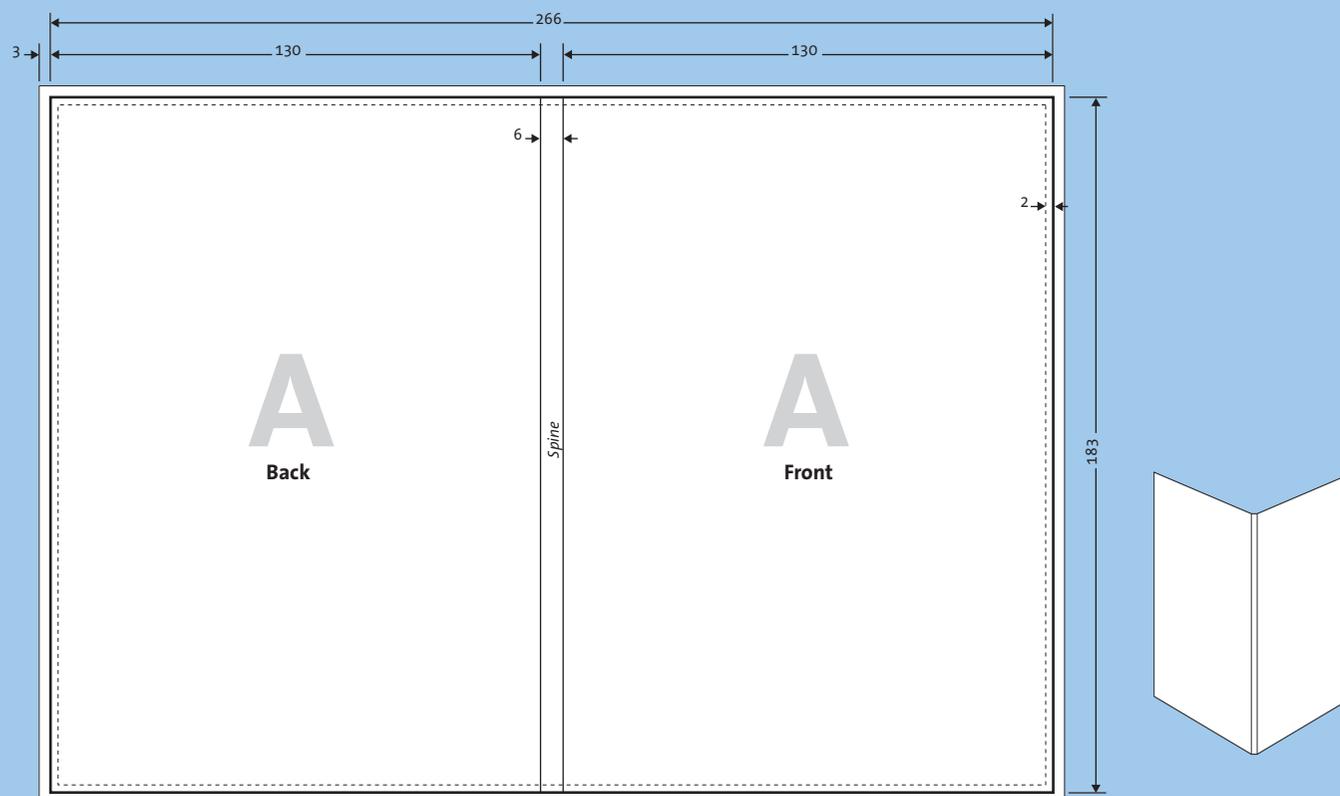


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kdg france template - Inlay for slim DVD box (5mm spine)

-  Image area (3 mm trim or full bleed)
-  Final trim area
-  Text area

(Dimensions in mm)



STANDARD DVD PACKAGING

Slim DVD inlay

Ref.: **PACK_inl_dvdslim_v5.2**

Standard printing

- Method: OFFSET
- Printed surface: recto only or recto/verso
- Colours: 4-colour (CMYK)
- Finish: acrylic varnish
- Paper quality: 150 g glossy
- Size flat: 266 x 183 mm
- Size folded: 130 x 183 mm
- Bleed: 3 mm

Specials

For non-standard printing such as: Pantone, fancy paper, heavier paper, special varnishes, etc.

Just ask us!

Ref.: **PACK_inl_dvdslim_v5.2**

Designer info?

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Advice, recommendations, specification sheets, to consult or download

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kdg france template - CD & DVD stickers: standards for automatic stickering

Technical specifications for automatic stickering

(Dimensions in mm)

Applying stickers to CDs and DVDs

- Applying the sticker before cellophanning: on front or rear of box
- Applying the sticker after cellophanning: on front.

Number of stickers possible automatically:

- 1 sticker per product on CD jewel cases
- 2 stickers per product on DVD boxes.

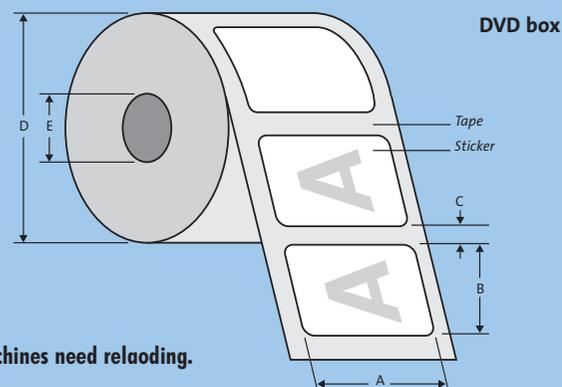
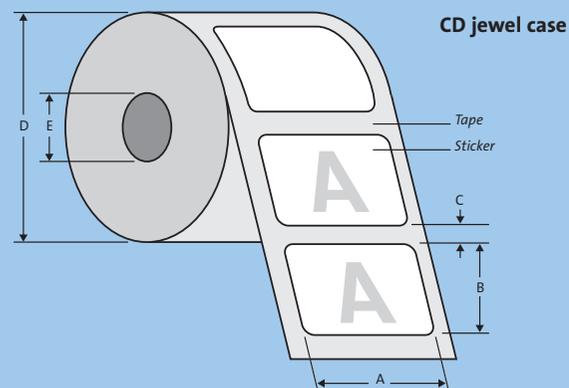
Sticker formats accepted for CD jewel cases:

- A : sticker width: 5 mm to 110 mm
- B : sticker height: 10 mm to 100 mm
- C : minimum distance between stickers: 3 mm (5 mm maximum) for standard colours and formats
- D : max. roll diameter: 300 mm
- E : spindle OD: 76 mm
- Text orientation as shown opposite
- On rolls.

Sticker formats accepted for DVD boxes:

- A : sticker length: 10 mm to 100 mm
- B : sticker height: 10 mm to 100 mm
- C : minimum distance between stickers: 3 mm (5 mm maximum) for standard colours and formats
- D : max. roll diameter: 300 mm
- E : spindle OD: 76 mm
- Text orientation as shown opposite
- On rolls.

Please use the maximum roll capacity in order to limit the number of times our machines need reloading.



STANDARD CD & DVD PACKAGING CD & DVD stickers

Ref.: **PACK_stick_cond_v5.2**

Automatic stickering

It is vital to follow the technical specifications given on the left when designing stickers. If their alignment or size is not suitable for our automatic application process, we will have to affix the stickers manually, and this will involve additional costs and longer production times.

kdg Service Plus

Use self-sticking labels to add important information to your packaging (barcode, part number, etc.). We can print your stickers on sheets or rolls, depending on the format and quantity.

We can provide a list of standard formats for stickers to be printed on paper or transparent vinyl.

Just ask us!

Ref.: **PACK_stick_cond_v5.2**

Designer info?

Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

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IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.

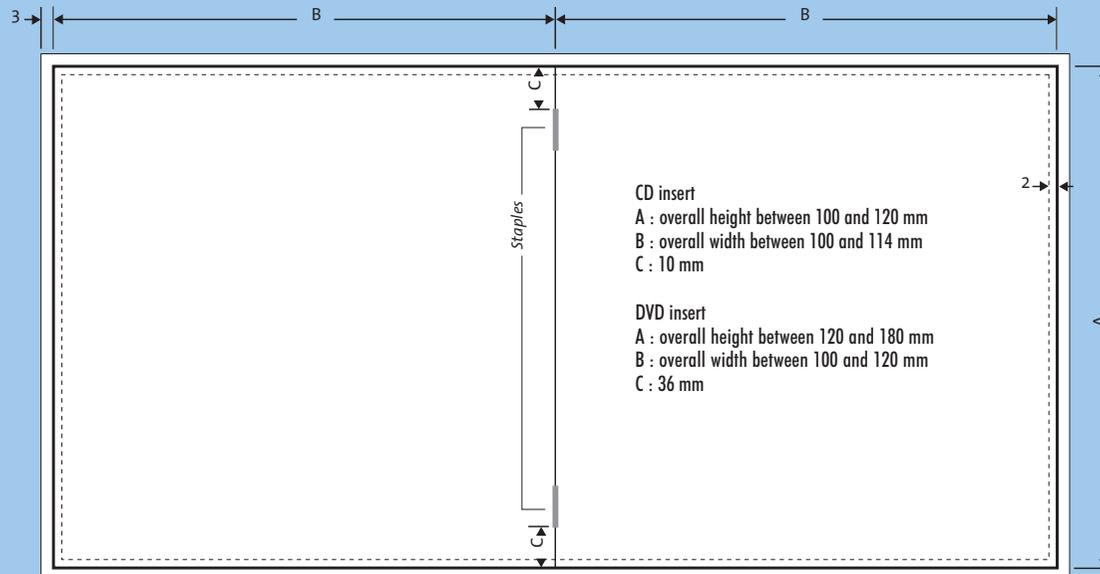


kdg france - 11 av. du Gal Leclerc
92100 Boulogne - France
Tel : +33 (0)1 46 10 02 10
Fax : +33 (0)1 46 10 02 11

kdg france template - Insert for CD case or DVD box

-  Image area (3 mm trim or full bleed)
-  Final trim area
-  Text area

(Dimensions in mm)

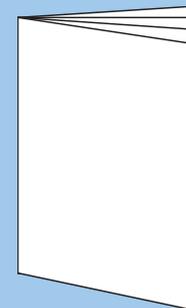


As its name suggests, the insert is "inserted" in the packaging (unlike a booklet, which is inserted and held in place in the packaging). Insert types: single page, 4 pages folded in half, or multiple pages.

Single sheet



Booklet



If you would like to proceed with mounting the pages of your document, please refer to our technical specification **Page imposition for a CD/DVD booklet or insert.**

Packaging Info

The packaging of inserts for CDs (in plastic, paper or card wallets) and DVD boxes is automatic if the inserts are "standard", that is, they conform to the above template. If they are non-standard (posters, accordeon folds, etc.) or for insertion in standard CD jewel cases, packaging will be manual. Please contact us if you are in any doubt.

STANDARD CD / DVD PACKAGING

CD and DVD inserts

Réf.: **PACK_ins_v5.2**

Standard CD insert printing

Method : OFFSET
Printed surface: recto only or recto verso
Colours: 4-colour (CMYK)
Finish: acrylic varnish
Paper weight: 90 g/m2 for inside pages, 150 g/m2 for cover
Size: overall height between 100 and 120 mm
Overall width between 100 and 114 mm

Standard DVD insert printing

Method: OFFSET
Printed surface: recto only or recto verso
Colours: 4-colour (CMYK)
Finish: acrylic varnish
Paper weight: 120 g/m2 minimum
Size: overall height between 120 and 180 mm
Overall width between 100 and 120 mm

Special printing and shapes

For non-standard printing and shapes such as:

- Pantone
- Different paper quality (heavier, fancy paper, etc.)
- Special varnishes
- Special folds and cutouts

Just ask us!

kdg Service Plus

If you give us a file containing numbered pages, kdg will arrange their imposition. Refer to our technical specification **Page imposition for a CD/DVD booklet or insert.**

Ref.: **PACK_ins_v5.2**

Designer info? Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

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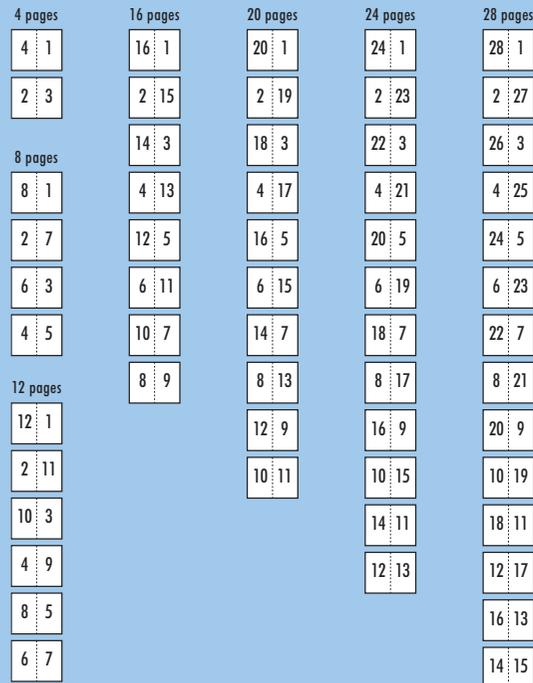


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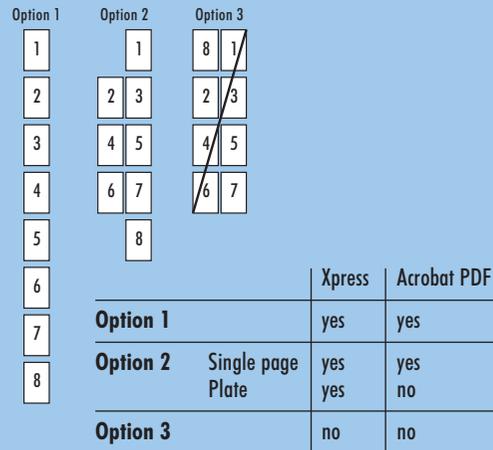
kdg france - Page imposition for a CD/DVD booklet or insert

The page order must be "imposed" when printing a booklet. This can be done by the designer or by kdg.

Page imposition by the designer. kdg will not intervene.



Page presentation in your file for automatic imposition by kdg.



Important: Please tell us whether the document has been imposed or not on the questionnaire accompanying the computer-generated file. Remember: CD booklet page – 121 x 120 mm. DVD booklet page – 120 x 178 mm (plus bleed). **NOTE:** Any file which does not meet these specifications may cause problems when printing or, if detected later on, may incur additional costs.

Réf.: **PACK_impos_bkt_v5.2**

Designer info? Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

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IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.

PACKAGING

Booklet imposition

Réf.: **PACK_impos_bkt_v5.2**

Page imposition

This is an industrial printing process. Please be sure to tell us in the questionnaire accompanying the computer-generated file if the document has been imposed or if you want us to impose the pages automatically in accordance with the specification on the left.

Important. Please tell us the pagination by numbering your pages:
- on the impression plan
- on the non-printing part of the file (outside the bleed).

We would appreciate a B/W printout for checking.



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kdg france template - Printing on CD

□ Print area
(Dimensions in mm)

File preparation

- Printed area: between diameters of 36 mm and 117 mm if no coloured base / between 26 mm and 117 mm if coloured base.
- Cross on each colour to indicate the centre (same centre for all diameters).
- Matched to chosen template (no bleed).
- Remove technical rules.
- Characters: Do not use narrow, italic bold/serifs smaller than 5 pt or 6 pt if the text is reversed out (licences, for example). Minimum character width: 0.15 mm.
- Lines: minimum thickness 0.2 mm.

Pantone™ printing

- Provide the Pantone™ numbers used for each colour.
- Dot density: 15 % to 85 %.
- In the case of screened and overlaid colours, kdg will print the darkest colour before the lightest by default.

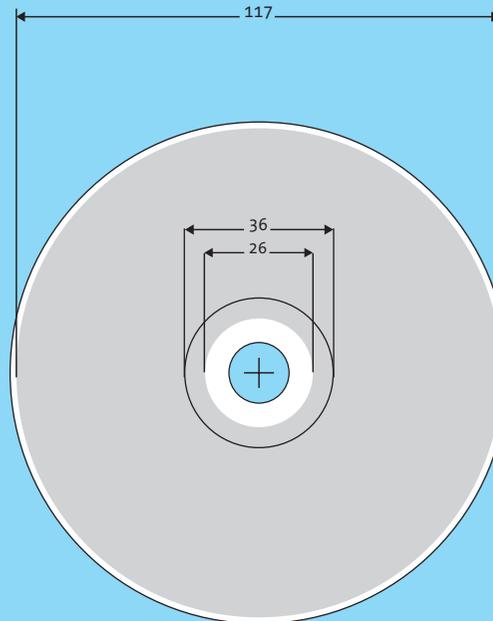
4-colour printing*

- Dot density: 15 % to 85 %. If using skin tones, please avoid 50% densities.
- Avoid reversing out licence details.

Offset printing*

- If there are large areas of flat colour, it is preferable to use a Pantone colour: contact us for details.
- Dot density: 3 % to 97 %.
- To obtain a uniform colour with large areas of black, make the black from CMYK as follows: black 100 % - cyan 60 % - magenta 60 % - yellow 60 %.
- Avoid reversing out licence details.

* **Note: Please tell us whether you want a coloured base or not (unless advised otherwise, we will apply a white base).**



PRINTING ON CD

Ref.: *DISC_cd_v5.2*

Pantone™ screen printing

- Method: screen printing
- Colours: 1 to 5 Pantone™ colours, the white base being considered a colour.

4-colour screen printing

- Method: screen printing
- Colours: 4 (CMYK), the white base being considered a 5th colour.

4-colour offset printing

- Method: Offset
- Colours: 4 (CMYK), the white base being considered a 5th colour.

NB:

- Base: plastic with aluminium coating, a slight colour difference may occur compared to the paper proof.
- Reference lines: the central cross must appear on each colour for alignment before printing.

Licences, logos:

Files can be downloaded from our website.

Ref.: *DISC_cd_v5.2*

Designer info? Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.



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kdg france template - Printing on DVD 5 & 9

□ Print area
(Dimensions in mm)

File preparation

- Printed area: between diameters of 36 mm and 117 mm if no coloured base / between 17 mm and 117 mm if coloured base.
- Cross on each colour to indicate the centre (same centre for all diameters)
- Matched to chosen template (no bleed).
- Remove technical rules.
- Characters: Do not use narrow, italic bold/serifs smaller than 5 pt or 6 pt if the text is reversed out (licences, for example). Minimum character width: 0.15 mm.
- Lines: minimum thickness 0.2 mm.

Pantone colours

- Provide the Pantone™ numbers used for each colour.
- Dot density: 15 % to 85 %.
- In the case of screen-printed and overlaid colours, kdg will print the darkest colour before the lightest by default.

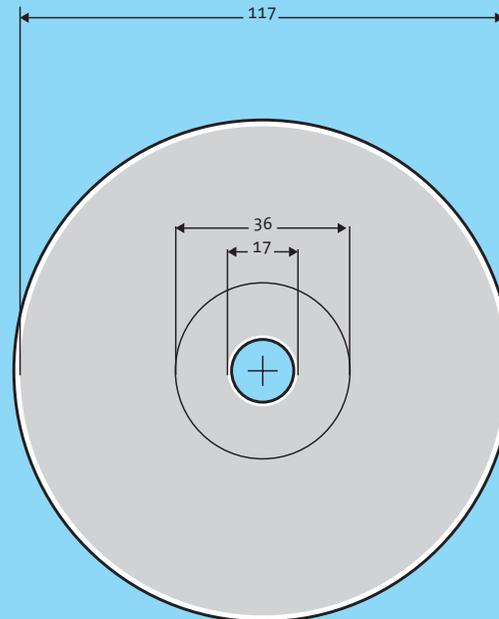
4-colour printing*

- Dot density: 15 % to 85 %. If using skin tones, please avoid 50% densities.
- Avoid reversing out licence details.

Offset* printing

- If there are large areas of flat colour, it is preferable to use a Pantone colour: contact us for details.
- Dot density: 3 % to 97 %.
- To obtain a uniform colour with large areas of black, make the black from CMYK as follows: black 100 % - cyan 60 % - magenta 60 % - yellow 60 %.
- Avoid reversing out licence details.

***Note: Please tell us whether you want a coloured base or not (unless advised otherwise, we will apply a white base).**



PRINTING ON

DVD 5 & 9

Ref.: *DISC_dvd_5&9_v5.2*

Pantone™ screen printing

- Method: screen printing
- Colours: 1 to 5 Pantone™ colours, the white base being considered a colour.

4-colour screen printing

- Method: screen printing
- Colours: 4 (CMYK), the white base being considered a 5th colour.

4-colour offset printing

- Method: Offset
- Colours: 4 (CMYK), the white base being considered a 5th colour.

NB:

- Base: plastic with aluminium coating, a slight colour difference may occur compared to the paper proof.
- Reference lines: the central cross must appear on each colour for alignment before printing.

Licences, logos:

Files can be downloaded from our website.

Ref.: *DISC_dvd_5&9_v5.2*

Designer info?

Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.



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kdg france template - Printing on DVD 10

 Print area
(Dimensions in mm)

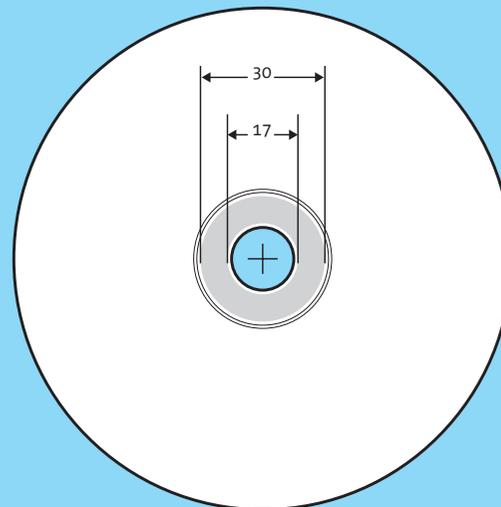
File preparation

- Printed area: between diameters of 17 mm and 30 mm.
- Cross on each colour to indicate the centre (same centre for all diameters)
- Matched to chosen template (no bleed).
- Remove technical rules.
- Characters: Do not use narrow, italic bold/serifs smaller than 5 pt or 6 pt if the text is reversed (licences, for example). Minimum character width: 0.15 mm.
- Lines: minimum thickness 0.2 mm.

Pantone™ colours

- Provide the Pantone™ numbers used for each colour.

Note: Each side of a DVD 10 can be printed. As the printed area is not metallised but is transparent, we strongly advise applying a coloured base.



PRINTING ON

DVD 10

Ref.: *DISC_dvd_10_v5.2*

Pantone™ screen printing

- Method: screen printing
- Colours: 1 to 3 plain Pantone™ colours, the white base being regarded as a colour.

NB:

- Base: plastic with aluminium coating, a slight colour difference may occur compared to the paper proof.
- Reference lines: the central cross must appear on each colour for alignment before printing.
- Screen printing or offset not possible on DVD 10.

Licences, logos:

Files can be downloaded from our website.

Ref.: *DISC_dvd_10_v5.2*

Designer info?
Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.



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kdg france template - Printing on partially metallised CD

□ Print area
(Dimensions in mm)

File preparation

- Printed area: between diameters of 36 mm and 117 mm if no coloured base / between 26 mm and 117 mm if coloured base.
- Cross on each colour to indicate the centre (same centre for all diameters)
- Matched to chosen template (no bleed).
- Remove technical rules.
- Characters: Do not use narrow, italic bold/serifs smaller than 5 pt or 6 pt if the text is reversed out (licences, for example). Minimum character width: 0.15 mm.
- Lines: minimum thickness 0.2 mm.

Pantone™ colours

- Provide the Pantone™ numbers used for each colour.
- Dot density: 15 % to 85 %.
- In the case of screened and overlaid colours, kdg will print the darkest colour before the lightest by default.

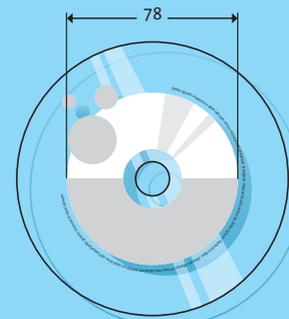
4-colour printing*

- Dot density: 15 % to 85 %. If using skin tones, please avoid 50% densities.
- Avoid reversing out licence details.

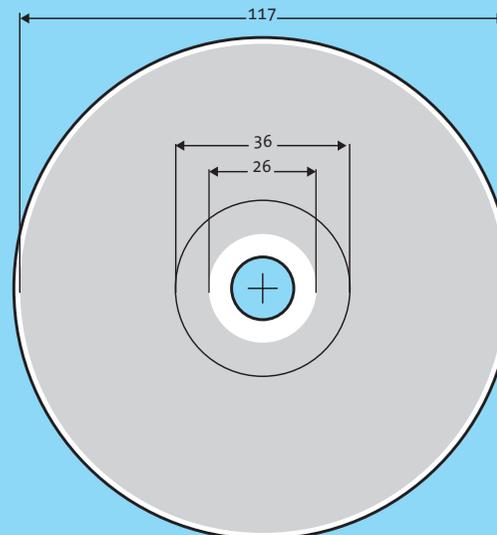
Offset* printing

- If there are large areas of flat colour, it is preferable to use a Pantone colour: contact us for details.
- Dot density: 3 % to 97 %.
- To obtain a uniform colour with large areas of black, make the black from CMYK as follows: black 100% - cyan 60 % - magenta 60 % - yellow 60 %.
- Avoid reversing out licence details.

*Note: Please tell us whether you want a coloured base or not (unless advised otherwise, we will apply a white base).



Metallised area on CD



Printed area on CD

PRINTING ON
CD

Ref.: **DISC_cdmetal_v5.2**

kdg offers you the opportunity to create a truly personalised CD by combining metallisation and transparency.

The CD shape remains standard, so it can be read by conventional players.
Capacity: 175 MB / 19min. 55 secs.
Metallisation diameter: 78mm.

Pantone™ printing

- Method: screen printing
- Colours: from 1 to 5 Pantone™ colours, the white base being considered a colour.

4-colour screen printing

- Method: screen printing
- Colours: 4 (CMYK), the white base being considered a 5th colour.

4-colour offset printing

- Method: Offset
- Colours: 4 (CMYK), the white base being considered a 5th colour.

NB :

- Base: plastic with aluminium coating, a slight colour difference may occur compared to the paper proof.
- Reference lines: the central cross must appear on each colour for alignment before printing.

Licences, logos:

Files can be downloaded from our website.

Ref.: **DISC_cdmetal_v5.2**

Designer info?
Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

Refer to the CAD technical specifications file for details of exactly how to prepare and send your material to ensure that your files are compatible with kdg printing procedures. Back up your data before sending material to us*. Always provide your project reference, and the name and details of the person to contact in case of problems.

IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.



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kdg france template - Printing on partially metallised DVD

□ Print area
(Dimensions in mm)

File preparation

- Printed area: between diameters of 36 mm and 117 mm if no coloured base / between 17 mm and 117 mm if coloured base.
- Cross on each colour to indicate the centre (same centre for all diameters)
- Matched to chosen template (no bleed).
- Remove technical rules.
- Characters: Do not use narrow, italic bold/serifs smaller than 5 pt or 6 pt if the text is reversed out (licences, for example). Minimum character width: 0.15 mm.
- Lines: minimum thickness 0.2 mm.

Pantone™ colours

- Provide the Pantone™ numbers used for each colour.
- Dot density: 15 % to 85 %.
- In the case of screened and overlaid colours, kdg will print the darkest colour before the lightest by default.

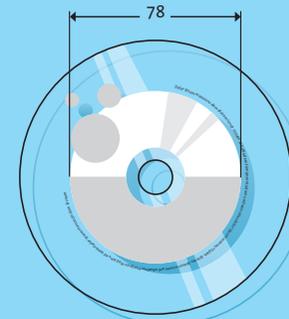
4-colour printing*

- Dot density: 15 % to 85 %. If using skin tones, please avoid 50% densities.
- Avoid reversing out licence details.

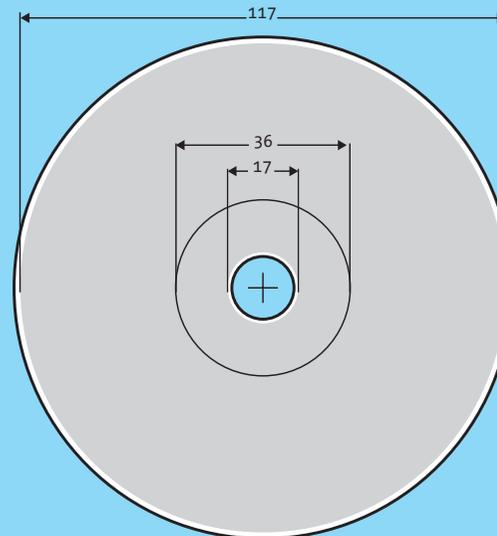
Offset* printing

- If there are large areas of flat colour, it is preferable to use a Pantone colour: contact us for details.
- Dot density: 3 % to 97 %.
- To obtain a uniform colour with large areas of black, make the black from CMYK as follows: black 100% - cyan 60 % - magenta 60 % - yellow 60 %.
- Avoid reversing out licence details.

***Note:** Please tell us whether you want a coloured base or not (unless advised otherwise, we will apply a white base).



Metallised area on DVD



Printed area on DVD

PRINTING ON DVD

Ref.: *DISC_dvdmatal_v5.2*

kdg offers you the opportunity to create a truly personalised DVD by combining metallisation and transparency.

The DVD shape remains standard, so it can be read by conventional players.
Capacity: DVD 5 : 1,4 Go < 40 mn video*
DVD 9 : 2,6Go < 75 mn video*

* For information only. It has to be confirmed by your Authoring company

Metallisation diameter: 78mm.

Pantone™ printing

- Method: screen printing
- Colours: from 1 to 5 Pantone™ colours, the white base being considered a colour.

4-colour screen printing

- Method: screen printing
- Colours: 4 (CMYK), the white base being considered a 5th colour.

4-colour offset printing

- Method: Offset
- Colours: 4 (CMYK), the white base being considered a 5th colour.

NB :

- Base: plastic with aluminium coating, a slight colour difference may occur compared to the paper proof.
- Reference lines: the central cross must appear on each colour for alignment before printing.

Licences, logos:

Files can be downloaded from our website.

Ref.: *DISC_dvdmatal_v5.2*

Designer info? Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

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IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

*The items you provide will be used to manufacture the product(s) and are not regarded as a form of archive.



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kdg france - Flowpack specifications

Technical specifications

(Dimensions in mm)

Contents:

Magazine or card backing + media

Contents thickness:

Minimum 5 mm - Maximum 35 mm

Contents length:

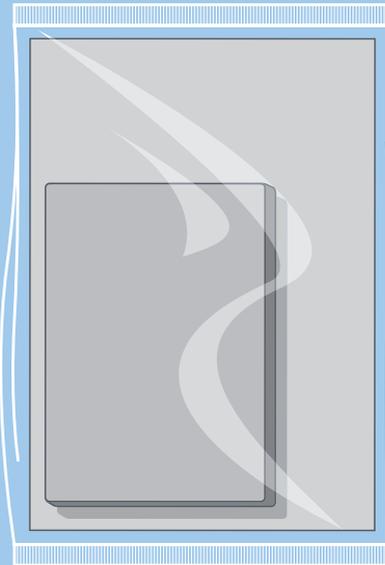
Minimum 100 mm - Maximum 290 mm

Contents width

Minimum 95 mm - Maximum 260 mm

Plastic film

Thickness 30 μ m (microns)



Packaging

Flowpack specifications

Ref.: **PACK_flow_v5.2**

kdg Service Plus

To further help you market your products, we can offer you our Flowpack sealing service, an economical solution to stop your products being opened.

Just contact us!

The concept

We seal your packaged disc with magazine or printed card backing.

If you want to emphasise an important item (title, price, special offer, etc.) on your packaging, you can also have a sticker on the plastic film.

Just ask us!

Ref.: **PACK_flow_v5.2**

Designer info?

Go to www.kdg.fr

Advice, recommendations, specification sheets, to consult or download

kdg guidelines for sending media:

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IMPORTANT: kdg cannot guarantee the quality of the final print unless you provide a digital Cromalin®, Iris® or Approval® proof. Colour printouts from laser, inkjet or other non-approved printers **cannot** be used as reference proofs.

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CD & DVD Replication - Packaging - Logistics

Document to send us with your packaging printing material

This questionnaire is designed to give us details of your computer environment and the kind of printing services we are to provide.

RECAP FOR FILE PREPARATION for providing material on CD-R or via our FTP site.

Please create a general folder: Example: "Packagingproductx" This folder will contain several sub-folders:

An "EXE" folder
The standard PDF file (or native default folder)

An "IMPORTS" folder
(images in Illustrator, Photoshop, EPS and TIF format only)

A "FONTS" folder
Screen and printer fonts

A "DUMMY" folder
A low-res PDF file or JPG image for checking

Designer details: In case we need to contact you for more information

Name: _____

Tel: _____

Email: _____

SPEC. SHEET TO ACCOMPANY COMPUTER-DESIGNED PACKAGING: Ref.: FA_CAD_packaging_v5.2

Print out this form and enclose it with your CD-R.

CUSTOMER NAME: _____

PRODUCT NAME: _____

Details of the product to be replicated using the computer-designed material you are providing:

TYPE OF STANDARD PACKAGING:

CD jewel case booklet No. pages: _____
 All 4-colour 4-colour cover with B/W inside pages

CD jewel case inlay 4-colour recto 4-colour recto/verso

DVD box booklet No. pages: _____
 All 4-colour 4-colour cover with B/W inside pages

DVD box inlay Slim DVD box inlay
 4-colour recto 4-colour recto/verso 4-colour recto 4-colour recto/verso

Single jewel case inlay (extra-flat) 4-colour recto 4-colour recto/verso

Card wallet in 4-colour, recto
Material provided as per our technical specifications available www.kdg.fr

SPECIALS:

Digipak CD Digipak DVD
Tray colour: Black White Transparent

DVD box cover CD case cover Digifile

DVD box CD case Digibok

Digisleeve Other product: _____

Standard 4-colour offset printing + varnish
 Glossy Matt Other : _____

For all specials, please provide kdg with details of the template used.
Template ref.: _____

COMMENTS OR OTHER INFORMATION: (special printing type, packaging, etc.)

.....
.....
.....
.....
.....
.....

NOTE: It is important for your material to follow our technical specifications.

PRODUCT REF. (to be completed by kdg) : _____

Details of the items you are sending to us:

Format used to create files for printing on paper or card
At present, in accordance with printers' standards for computer-designed material, we must have a standardised PDF file (high res.) and another (low res.) PDF for checking conformity with our rip.
Refer to the article of this subject on our site www.kdg.fr.

SOFTWARE USED: (The list below contains the software our CAD department can accept.

Please tick the package used:)

Xpress 7 Photoshop CS2 Illustrator CS2
 Indesign CS2 Acrobat 6

If you used an earlier version of the above software, or another package, please provide the following information: _____

ENCLOSURES:

FONTS (POSTSCRIPT). Please supply screen and printer fonts.
 IMAGES FOR YOUR EXECUTABLE FILE. Images in CMYK or PANTONE (RGB not accepted).

If material provided on CD-R (Write the product and client name on the material.):

Colour paper printout for checking content
 B/W separations for each colour
 Type of calibrated colour proof
 CROMALIN™ IRIS™ RAINBOW
 APPROVAL KODAK Other : _____

If material provided via FTP

Low-resolution PDF file for checking
 JPG image for checking

added to services

music games movies

2007 - v5.2 - www.kdg.fr