



Artwork Submission Guidelines

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At A. Hatzopoulos SA, we believe that successfully addressing client-specific needs requires more than a functional mastery of polymer conversion technology and rotogravure/flexography printing processes; in addition to our specialist knowledge of the flexible packaging materials market, we place equal emphasis on customer care.

Our commitment to excellence, in combination with our mission to deliver outstanding client service, has earned our firm the excellent reputation it enjoys today. A. Hatzopoulos SA have been operating in the flexible packaging field for over 80 years, and have continually evolved to become synonymous with honesty and quality.

At A. Hatzopoulos SA, we provide high-level services and are dedicated to maintaining and expanding our capabilities and expertise in order to meet the ever-diversifying needs of our clients.

In this vein, the present document was constructed to facilitate and expedite the overall pre-press process.



File & Image requirements

Pre-press artwork processing is performed via utilization of the ArtPro+ software package by Esko Artworks.

Compatible/suitable file formats:

- **Layout:**



Adobe Illustrator 2023



or ArtPro & ArtPro+



or PDF (high resolution) (version 1.5 and above)

- **Images: files**



Adobe Photoshop 2023 (with layers)



or TIFF (with layers)

- **CAUTION.**

We do not accept Adobe InDesign files.

- **CAUTION.**

When saving Illustrator files, always remember to choose:
Create Pdf Compatible File.

Organise files in a single folder (using the product name as the folder title), which should include: the layout files, a links sub-folder containing the picture files and, lastly, a preview sub-folder, in which low-resolution *.pdf or *.jpeg versions of all layouts are placed. Pay attention to short file names and do not use any special characters (äçę?*<>.,\+: =/>; [] etc.)

Layout File

- **Dimensions:** precise definition of layout dimensions (width – height)
(Img: 1.1)
- **Technical Drawing/Diecut:** precise definition of slitting/folding positions and miscellaneous necessary marks. For shrink sleeves the Technical Drawing of the bottle is also requisite.
- **Way of unwinding:** position of the main logo on the reel
- **Edge cutting:** 5mm from the perimeter
- **Photocell:** precise definition of the position of photocell/photocell tray
- **Barcode (Barcode Magnification: <80%)**
- **White:** Exact position of the white.
- **Extra Production Process (Lacquer, Varnish, Cold Seal):** Exact position of the cold-seal.

The data must be built with multiple layers and the layers to be printed must be enabled. All elements serving as simulation must be displayed in a separate layer and clearly separated from the layers to be printed.

Example:

- Layer 4 = Dimension & Technical drawing
- Layer 3 = cold-seal/primer/lacquer layers
- Layer 2 = White
- Layer 1 = Design elements (layout, image)

CAUTION.

If image files are included in the layout, those must NOT be embedded (placed as links).

ATTENTION

In case there is any specific color target to follow during printing, this must be also sent along with the artwork files as a .cxf file. Color samples may be digital proofs of creative agencies or samples of previous print-runs of the same packaging.

Fonts / Readability/ Lines

- All fonts must be converted to outlines (paths, vectors).
- For open data, fonts must be supplied.
- For PDF data the fonts must be embedded.



SERIFS / ITALICS:

- Positive fonts smallest print size
 - ≥ font size 6 pt.
 - ≥ x-height (upper limit) 1.2 mm
 - ≥ line width 0.15 mm
- Negative fonts smallest print size
 - ≥ font size 7 pt.
 - ≥ x-height (upper limit) 1.2 mm
 - ≥ line width 0.23 mm

SANS SERIF:

- Positive fonts smallest print size
 - ≥ font size 5 pt.
 - ≥ x-height (upper limit) 1.2 mm
 - ≥ line width 0.15 mm
- Negative fonts smallest print size
 - ≥ font size 6 pt.
 - ≥ x-height (upper limit) 1.2 mm
 - ≥ line width 0.23 mm

CAUTION

In a multicolor background negative fonts require a 0.3 mm outline.



- **Line Width:** minimum positive lines 0.15 mm 
minimum negative lines 0.23 mm 

Image Files

For Photoshop files, the following should be included:

- Layers: not merged.
- Channels: CMYK and extra channels in Pantone.
- Paths
- Mode: CMYK,
- Resolution: i) at least 300 ppi at printing size of the picture
ii) bitmaps: at least 1200 ppi,
- Colour Profile: picture files must include a colour profile (assigned) and not untagged.
- Colour Images: photoshop files.
- Grayscale Images: grayscale TIFF.

Barcode specifications

- **Barcode minimum magnification: 80%**
- **Bar width reduction (BWR) in mm: 0.05**

ATTENTION

If there is a QR code in the design, it should be linear.

ATTENTION

In case the black colour is split into tonal & line, it is preferable for the barcode to be printed with the line one.

ATTENTION

In the information table of the final PDF, please perform an extra check of the Barcode number.
(The Barcode appears as shown below).

PLEASE CHECK
BARCODE



Barcode specifications

- Scanners use red light and only certain colour combinations can be used.



✓ Scannable



✗ Non-scannable



Separation requirements

- **Colour sequence:**
Reverse: 
Surface: 
- **Maximum printing colours: 8-10 including Cold seal & varnishes**

- **Minimum tonal value: 2%**
- **Maximum tonal value: 98%**
- **Maximum ink coverage: 360%**

- **Spread/choke: 0.1mm**



- **Pull back: 0.2mm**



- **Spread/choke (opaque ink): 0.2mm**



- **Choke for white ink: 0.3mm**



- **Choke for varnishes: 0.3mm**



Contact

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