

- GENERAL NOTICE

If the technological requirements are not met, a processing and modification fee will be charged according to the valid price list. Images generated by Artificial Intelligence (AI) may result in the rejection of the artwork for processing.

- SECTION A: REQUIREMENTS FOR FLEXOGRAPHIC PRINTING (FLEXO)
- ESSENTIAL REQUIREMENTS FOR ARTWORK (FLEXO)
- Number of Colours: The artwork can contain a maximum of 8 colours, including white and varnish (combination of CMYK + PANTONE spot colours).
- File Format: Print-ready PDF compliant with the pdf/X-1a:2001 standard without profiles. The print file must be composite (not separated). If data is submitted in .EPS format, AI max CS4 version is strictly required.
- Images and Assets (Bitmaps): Must be in CMYK mode (RGB and LAB color spaces are unacceptable). Scale 1:1, resolution min. 300 dpi. Layered PSD or TIF formats are accepted. Line art (pure vector-like bitmap/monochrome) must be in 1200 dpi resolution in TIF format. Warning: AI-generated images may not be accepted for processing.
- Texts and Fonts: All texts must be completely converted to curves/outlines (alternatively, all used font files must be attached).
- Verification: A control preview PDF and color separations must be attached to the data.
- SPECIFIC ARTWORK RULES (FLEXO)
- Bleed (Trim): Must be a minimum of 2 mm on each side.
- Registration and Texts: BLACK OVERPRINT must be defined, and a colour trapping (TRAP) of 0.15 mm must be created.
- Negative Texts: Do not use negative (knockout) texts in solid areas or logos composed of 2 or more colours.
- Thin Texts: Texts with a thickness of 0.2 to 0.5 mm can be composed of a maximum of 2 colours (ideally only one).
- Shadows: If possible, do not use shadows under images. If they are necessary, you must use the same color as the background (e.g., if the background is Yellow + Magenta, the shadows must also consist of Yellow + Magenta).
- BASIC TECHNICAL PARAMETERS (FLEXO)
- Transparent Packaging: If the packaging is not completely under-printed with white, it is necessary to supply a separate white colour layer in the vector print PDF for each object that needs to be covered. The white layer must be choked by 0.15 mm (IN) compared to the actual graphics.
- Varnished Packaging: If the packaging is partially varnished, provide a separate varnish layer in the vector print PDF for each object to be varnished. The size of the varnish layer must be identical to the graphics (1:1).
- Line Thickness:
 - Minimum positive line thickness: 0.1 mm
 - Minimum negative line thickness: 0.15 mm

- Text Parameters:
 - Minimum positive text size: 4 pt (must consist of one colour only).
 - Minimum negative text size: 5 pt (must consist of one colour only).
 - Minimum text height according to EU legislation: 1.3 mm.
- Printing Dot:
 - Minimum dot in data: 3% (the printed dot in light and mid-tones measures approximately 7% after dot gain).
 - Maximum printable dot: 100%.
- Barcode (EAN): Minimum EAN size is 80% of the normalized size (30 mm). Barcode bars must be oriented in the print direction.
- SPECIFICATIONS FOR SHRINK SLEEVES
- Graphics for shrink sleeves must have sufficient distances between objects to allow proper pre-distortion according to the shape of the bottle.
- On the right side of the packaging, a minimum 5 mm gap without any important graphics or text must be maintained – this zone is designated purely for the seam/glue (glue area).
- SECTION B: REQUIREMENTS FOR DIGITAL PRINTING
- Colour Space: Graphics strictly in CMYK only (Pantone spot colour simulation is possible only upon prior agreement). Total Ink Coverage (TIC) must not exceed max. 300%. Black texts must be defined purely as 0, 0, 0, 100.
- File Format: Print-ready PDF compliant with the pdf/X-1a:2001 standard without profiles or .EPS format (AI max CS4). The file must be composite.
- Images and Bitmaps: Scale 1:1, resolution min. 300 dpi (CMYK), PSD or TIF formats. RGB and LAB are unacceptable. Line art in 1200 dpi resolution in TIF format. AI-generated images may not be accepted for processing.
- Texts and Fonts: Converted to curves/outlines; minimum text height according to EU legislation is 1.3 mm.
- Bleed & Registration: Bleed/trim of exactly 2 mm on each side is required, and the BLACK OVERPRINT function must be enabled.
- Partial Varnish: Supply a separate vector varnish layer for each varnished object (size 1:1 with the graphics).
- Line and Text Thickness (Digital):
 - Minimum positive line: 0.12 mm / negative line: 0.18 mm.
 - Minimum positive text: 4 pt / negative text: 5 pt (always composed of a single CMYK colour channel).
- Digital Foiling/Embossing: When using digital foiling, the minimum line thickness (both positive and negative) is strictly 0.4 mm.
- Barcode (EAN): Minimum size is 80% of the normalized size (30 mm).
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