

## Permissible possible deviations from the technical and quality specifications:

**Deviations** from the quality specifications of the product, resulting from the natural variability of the production process and within the acceptable tolerance range:

<b>PRINTING:</b> Offset printing process: <b>ISO 12647-2</b>
- the colour of the Product slightly deviating from the colour reference, and in the case of Pantone® Inks- slightly deviating from the Pantone® Guide
- the colour deviation tolerance (delta E) for individual CMYK components: C: 5, M: 5, Y: 5, K:5
- the use of offset varnish, dispersion varnish, UV varnish or lamination (glossy / mat) may change the colour of the product
- the colour of printing on coated papers differs from the colour of printing on uncoated papers. The final colour result of printing on non-standard papers (e.g., with a creamy background) is difficult to predict and such printing is done at the customer's risk.
- image misalignment (the shift of colour images in relation to each other: $\leq 0.2$ mm
- in the absence of offset/dispersion varnish / usage of UV inks and in case of a specific layout (densely printed side vs side with little printing), a slight set-off effect may occur
- in the case of highly saturated printing (e.g. solid colours / aplats) on coated paper, set-off on the neighbouring page may occur. It is recommended in such cases to apply additional protection in the form of offset/dispersion varnish or to print with UV inks or to change the design.

<b>FINISHING:</b>
- misalignment of the selective varnish mask (UV, 3D, glitter, etc.) in relation to printing (so-called image mismatch): $\geq 1.5$ mm
- misalignment of hot stamping with foil in relation to printing (so-called image mismatch): $\leq 1.0$ mm
- misalignment of debossing / embossing in relation to printing: $\leq 1.0$ mm
- in the case of foil stamping on structured covering materials, e.g. cloths, Geltex / Wibalin - there may be a local deficiency of the stamped surface

<b>BOOKBINDING PROCESSES:</b>
- format deviation in the print run from the specified net format: $\leq 1.5$ mm for thread sewn binding
- format deviation in the print run from the specified net format: $\leq 1.0$ mm for other types of bindings/products
- deviation from rectangularity measured against the back: $\leq 1$ mm over a distance of 100 mm
- horizontal and vertical offset of the folding / creasing line : $\leq 1.5$ mm from the designated break lines
- deviations in the position of the image in the net page format in the form of a shift of the total image on the page vertically or horizontally: $\leq 1.5$ mm
- deviations in the position of the image in the net page format in the form of twist / obliquity of the image on the page: $\leq 0.5$ mm per 100mmi not more than 2mm along the length of the spine
- for saddle stitched binding possible shifting of a stitch: vertically: $\leq 5$ mm, horizontally: $\leq 1.0$ mm
- shifting of the punched element in relation to the designated place: $\leq 1.0$ mm
- shifting of perforation relative to the specified line: $\leq 1.0$ mm
- deviation of the side gluing width: $\leq 1.0$ mm
- standard side gluing width is 7 mm for softcovers and 7 mm for endpages
- the thickness of the gluing on the back may vary depending on the parameters of the product; the condition for the parameter to be considered compatible is good bonding strength
- hot-melt gluing strength: $\geq 4.5$ N/cm (measured by a pull-tester device)
- PUR gluing strength: $\geq 5.5$ N/cm (measured by a pull-tester device)
- saddle stitching or sewn binding strength: $\geq 2.5$ N/staple (measured by pull-tester device)
- the binding is considered durable if the book does not fall apart
- permissible differences in the width of the back of the final product relative to the specified value: $\leq 1.5$ mm

<b>ADDITIONAL COMMENTS:</b>
- the use of UV varnish on the creasing lines, edges and in the hinge or the spine's edges may cause its cracking
- imperfections of individual copies (e.g. copies with the book block upside down, missing ribbon or H&T band, missing sticker, etc.) may occur due to the fact of mass production. If they do not exceed 5% of the print run - they do not constitute grounds for complaint.
- mistake / changes in the packaging of books do not disqualify the product and cannot be the basis for rejection of the production; changes in packaging are also permissible as they may be applied due to the safety of the goods / securing goods for transport