



PRINTING AND FINISHING GUIDELINES

conqueror[†]

Worldwide gold standard for external corporate communication.

The whole range of Conqueror papers, text and boards give excellent printing results with all major print processes and can be printed like any other uncoated paper. To optimise your print results we offer some recommendations;

Screen Ruling

For optimum print results a screen of 133 – 150 dpi should be used. Finer screens, up to a maximum of 200 dpi can also give very good results with careful ink density control. For dark 4 colour images with higher ink density, under colour removal may be required depending on the quality of the visual. This will also help to reduce the ink drying time.

Printing Inks

Conventional, positive drying inks should be used with or without Infra Red drying assistance. UV inks may also be used. Avoid using overnight / stay fresh / duct-stable inks (This is essential for Contour , CX22 and Iridescent , where fully oxidising inks are recommended). Always allow sufficient drying time. Anti set-off spray is recommended when printing multiple colours, especially on CX22 and Iridescent . Use laser stable inks for subsequent laser printing. It is always advisable to consult your ink supplier about specific projects to ensure ink suitability.

Litho Printing

For optimum results on textured and embossed papers increase the blanket pressure or use a softer blanket to achieve consistent ink lay down.

Varnishing

To achieve a gloss varnish, it is essential to pre-seal the surface. Silk Screen Matt UV varnish should be used first, followed by subsequent applications of Gloss UV varnish to achieve the desired effect. Ensure suitable inks are used prior to varnishing and that the inks are completely dry before varnish application. Not recommended for paper weights.

Blind Embossing

Blind embossing gives an extremely attractive end result. For subsequent laser printing, we recommend a shallow emboss to allow good feeding and to avoid damaging the emboss.

Hot Foil Blocking

All finishes in the Conqueror range can be foil blocked. Foil blockers can recommend the best foil for the image and paper chosen.

Silk Screen

All finishes can be successfully silk-screened.

Folding and Creasing

To guarantee good folding results, prior creasing is recommended. Creases should be made parallel to the grain of the board. For best results a creasing rule and matrix system should be used. Fold into the bead for prominent folds with the exception of Conqueror Digital Translucent Clear where the opposite applies.

Additional information for the printing of Conqueror Iridescent:

The unique surface treatment of the Iridescent paper interacts with the printed image and shows through the ink to produce a very special and highly original effect. Great results can be achieved when printing offset litho by following the recommendations below;

- Use fully oxidising, quick drying inks with or without Infra Red drying assistance. Avoid overnight/stay fresh/duct stable inks.
- Always allow sufficient drying time. Use Anti set-off spray when printing multiple colours. Hydroactive drying agent can be added to the ink or water to improve the ink drying.
- For improved ink drying time when printing heavy 4 colour images it may be beneficial to use under colour removal.
- Use laser stable inks for subsequent laser printing.
- It is normal for some of the special paper surface coating to transfer to the blanket. On normal run lengths, this should not cause the print quality to deteriorate.
- The Iridescent characteristics of the sheet will be compromised if using varnishes, seals and laminates. Very good results can be achieved on Iridescent papers using all other major print processes. A trial is recommended, however, if planning to use thermography.