

Keaykolour[®]

 arjowiggins

Keaycolour papers and boards give excellent printing results with all major print processes. To optimise the print results we offer some recommendations:

Design and pre-press

- A screen of 133-150 lpi should be used.
- Finer screens up to a maximum of 200 lpi can also give very good results with careful ink density control.
- For dark 4 colour images with high ink density, under colour removal may be required depending on the visuals.
- Aim for the total ink film weight of 260%.

Offset litho printing

For optimum results on textured products (particularly Keaycolour embossings) increase the blanket pressure or use a softer blanket to achieve consistent ink lay down.

Printing inks

- Conventional positive drying inks should be used with or without infra-red drying assistance.
- Fully oxidizing inks or UV inks may also be used.
- Avoid using overnight / stay fresh / duct stable inks
- Always allow sufficient drying time. Use laser stable inks for subsequent laser printing.
- It is always advisable to consult your ink supplier about specific projects to ensure ink suitability.

Paper handling

- To help avoid marking and set-off when printing multiple colours, 35micron anti set off spray for boards and 20micron for paper weights are recommended.
- It may also be helpful to turn off the delivery stack jiggers and restrict the delivery pile height particularly when printing boards.
- Always protect paper from environmental humidity and temperature changes by using stack covers or stretch wrap.

Sealers and coatings

- Sealers and press coatings can be used to help reduce marking for further operations.
- Ensure the inks are suitable and best results are achieved when the inks are dry before sealing.

Varnishing

- To achieve a gloss varnish, it is essential to pre-seal the surface with Silk screen applied matt UV varnish, 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. Consider a clear hot foil as an alternative.

Screen printing

- Paper and board inks can be used, but when ink opacity is necessary vinyl inks give good results.
- UV inks can be used.
- For accurate ink placement the screen requires intimate contact with the substrate. Consequently some image detail will be compromised when silk screen printing on to the Keaycolour embossed papers.
- It may be necessary to remove the paper texture from the image area to improve print clarity.

Blind embossing

- All finishes can be blind embossed.
- It is recommended to have the corners of the die rounded off to help prevent creases forming from them.
- To emboss an image in an already embossed sheet it may be necessary to plate sink the original texture before stamping the new embossing. This is very true for the strong Keaycolour textures like Cedar or Twill.

Hot foil stamping

- Keaycolour accepts hot foil stamping easily.
- The Keaycolour Embossing range also accepts hot foil stamping but due to the uneven embossed texture some image detail will be compromised.
- If a fine image is to be stamped on to a Keaycolour embossed product, it is recommended to plate sink the area first. A trial is therefore recommended to ensure the results are acceptable.
- Foil printers can recommend the best foil for the image and paper choice.

Die Stamping

- Keaycolour can be easily die stamped with superior results on smooth papers with very detailed imagery.
- However if die stamping on to a Keaycolour embossing, it may be required to plate sink the area first.

Thermography

We recommend to trial thermography before purchase.

Film laminating

- Only wove finishes can be film laminated, although due to the rough open texture some 'silvering' will be evident after lamination.
- To reduce silvering increase laminating pressure and if possible apply excess adhesive if using wet glue lamination.

Die and laser cutting

- Keaycolour papers and boards can be die cut.
- While laser cutting is easy some scorching will be apparent around the cut area.
- Laser cut papers are more prone to mis-feeds and jams within office printing technologies.



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 towards the bead for prominent folds.
- Note when folding the Cedar embossing it is normal for cracks to appear along the Cedar texture.

Binding and adhesives

Standard adhesives and binding techniques can be used.

Office printing

Low weight Keaycolour papers often give acceptable results for text and simple graphic applications.

Digital technologies

- The HP Indigo versions of Keaycolour products are fully certified for use with HP Indigo digital presses.
- For dry toner digital presses we stock Keaycolour Original Snow White 300gsm in SRA3 format. Other Keaycolour papers work on various dry toner digital presses.
- Compatibility to other dry toner digital presses should be tested.

Further info

If further information is required, please email us via the Contact Us page on our website. Please note the information and advice contained in this section is the property of Arjo Wiggins Fine Papers Ltd and may be subject to change without prior notice. The printing information is for guidance only so ensure the work processes are discussed with the relevant printers prior to printing. Any new undertakings should be trialled first.

