Printing and finishing guidelines

Opale®

arjowiggins

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Opale papers, text 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 optimal results on the Reference Fabric products, 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 (this is essential for the Premier Shimmer range where fully-oxidising inks are recommended).
- 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 joggers 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

- All finishes can be successfully screen printed.
- Paper and board inks, vinyl inks and UV inks can be used.

Blind embossing

- All finishes can be blind embossed.
- For subsequent laser printing, we recommend a shallow embossing.

Hot foil stamping

- All finishes in the range can be foil stamped.
- Foil printers can recommend the best foil for the image and paper choice.

Die stamping

- Opale can be easily die stamped with superior results on smooth papers with very detailed imagery.
- Use water based inks for subsequent use with laser printers.

Thermography

UV thermography systems can be used for letterheads ensuring compatibility with office printers.

Film laminating

- Opale can be film laminated.
- Silvering may be evident depending on the print image.
- To reduce silvering increase laminating pressure and if possible apply excess adhesive if using wet glue lamination.

Die and laser cutting

- Opale 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

- Pre creasing is recommended to obtain best folds.
- 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.

Binding and adhesives

Standard adhesives and binding techniques can be used.

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Office printing

- All items in the Opale range up to and including 160g papers are guaranteed for pre-printing and subsequent use on all desk-top mono and colour, laser and inkjet machines, as well as copiers and digital all-in-ones, subject to manufacturers' guidance on grammage and use.
- Opale is also guaranteed for use on high output machines up to and including 160gsm.

Digital technologies

- Opale papers work on various dry toner digital presses.
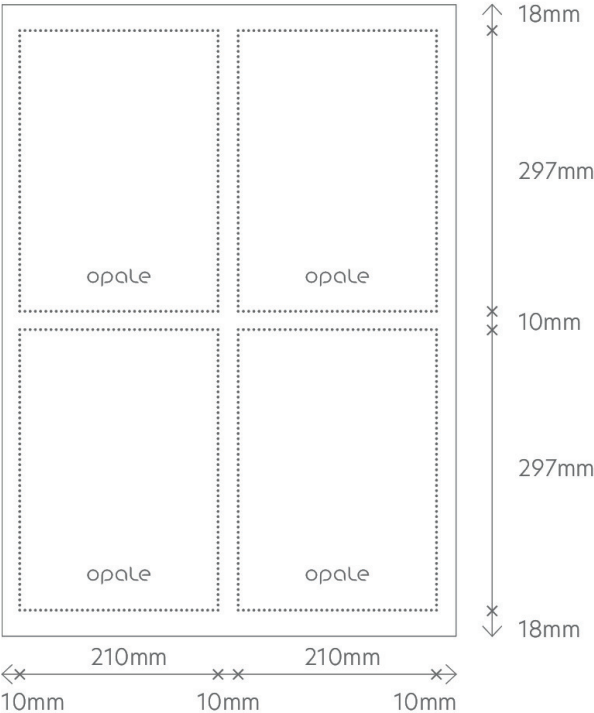- Compatibility to other dry toner digital presses should be tested.

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.
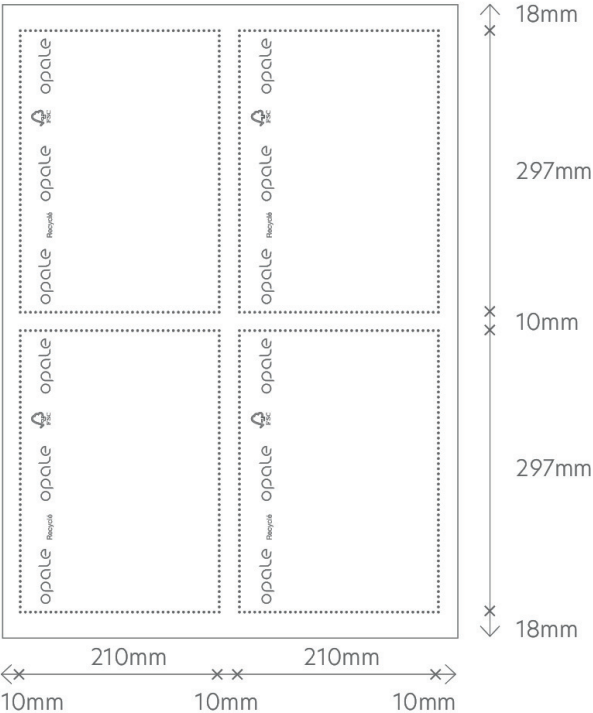
Opale Watermarks

Premier SRA2

	18mm
opale	opale
	297mm
	10mm
opale	opale
	297mm
	18mm

210mm   210mm

10mm   10mm   10mm

Reference Recycled SRA2

	18mm
	297mm
	10mm
	297mm
	18mm

210mm   210mm

10mm   10mm   10mm

Reference Wove SRA1

	18mm
	297mm
	10mm
	297mm
	18mm

210mm   210mm   210mm   210mm

10mm   10mm   20mm   10mm   10mm