March 2024

From Rives Tradition to Rives Shetland, create exquisite mailers, lookbooks, leaflets and packaging making the most of the digital printing technologies. Matching envelopes available for dispatch.

Rives Digital is suitable for HP Indigo, available in two weights, in two finishes (Tradition, Shetland) and ready-to-use in SRA3+ and B2+ formats.

Printing Guidelines

Design and pre-press
A screen of 133-150 lpi should be used. Finer screens up to a maximum of 200 lpi can give 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 product 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. Oxidizing inks or UV inks may also be used. Avoid using overnight / stay fresh / duct stable inks. Allow sufficient drying time. Use laser stable inks for subsequent laser printing. Consult your ink supplier about specific projects to ensure ink suitability.

Paper handling
To avoid marking and set-off when printing multiple colours, 35μ anti set-off spay for boards and 20μ for paper weights are recommended. Turn off the delivery stack jogger and restrict the delivery pile when printing boards. Always protect paper from environmental humidity and temperature changes by using stack cover or stretch wrap.

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 weight.

Blind Embossing
All finishes can be blind embossed. For subsequent laser printing, we recommend a shallow emboss to allow good feeding and to avoid damaging the emboss.

Die Stamping
Rives papers can be die stamped with superior result on smooth papers with very detailed imagery. Use water based inks for subsequent use with laser printers.

Hot Foil Stamping
All finishes in the range can be foil stamped. Foil printer can recommend the best foil for the image and paper choice. It may be necessary to remove the paper texture from the foiled area to improve image clarity.

HP indigo suitable · ISO 14001 · ISO 9001 · ECF

pH NEUTRAL · FSC MIX Paper from responsible sources FSC® C101533

CREATIVE POWER
by antalis

Printing Guidelines

Film Laminating
Rives papers 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. The film will bridge the texture of Rive Design.

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

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

Die and laser cutting
Rives 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 miss-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.

Binding and adhesives
Standard adhesives and binding techniques can be used.

Blind Embossing
Compatibility to office printers should be tested. Low weight papers often give acceptable results for text and simple graphic applications.

Digital technologies
Rives is suitable for Dry Toner and Rives Digital is suitable for HP Indigo printing.

HP indigo suitable | ISO 14001 | ISO 9001 | ECF

pH NEUTRAL | FSC MIX Paper from responsible sources FSC® C101533

CREATIVE POWER
by antalis

Dry Toner ®

Property & Unit	Standard		
GSM	UNI EN ISO 536	**120**	**250**
Thickness (µm)	UNI EN ISO 534	172	355
Bulk (cm3 /g)	UNI EN ISO 534	1.43	1.42
Whiteness CIE (%)	ISO 11475	130	130
Opacity (%)	UNI ISO 2471	89	-
Cobb 60 sec felt side (g/m2)	UNI EN ISO 535	35	35
Cobb 60 sec wire side (g/m2)	UNI EN ISO 535	35	35
Bending resistance MD (mN)	ISO 2493-1	-	155
Bending resistance CD (mN)	ISO 2493-1	-	70
Absolute Humidity UA (%)		6.8	6.5

These values are to be considered only as indications and are subject to change according to trade tolerances in the quality specification. Issue date: March 2024

CREATIVE POWER
by antalis

HP indigo suitable   ISO 14001   ISO 9001   ECF

pH NEUTRAL   FSC MIX Paper from responsible sources FSC® C101533

Dry Toner ®

Property & Unit	Standard		
GSM	UNI EN ISO 536	**120**	**250**
Thickness (µm)	UNI EN ISO 534	171	357
Bulk (cm3 /g)	UNI EN ISO 534	1.43	1.43
Whiteness CIE (%)	ISO 11475	130	130
Opacity (%)	UNI ISO 2471	89	-
Cobb 60 sec felt side (g/m2)	UNI EN ISO 535	35	35
Cobb 60 sec wire side (g/m2)	UNI EN ISO 535	35	35
Absolute Humidity UA (%)		6.5	6.5

HP indigo suitable   ISO 14001   ISO 9001   ECF

pH NEUTRAL   FSC MIX Paper from responsible sources FSC® C101533

These values are to be considered only as indications and are subject to change according to trade tolerances in the quality specification. Issue date: March 2024

CREATIVE POWER
by antalis