



May 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 certified 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 spray 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.



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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 certified for HP Indigo printing.



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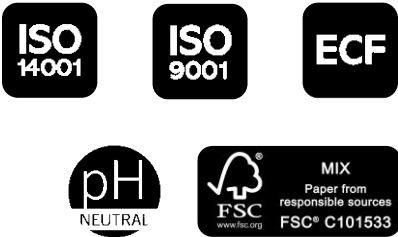
Dry Toner ®

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HP Indigo

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
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: May 2024

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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
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

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

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HP Indigo

Supplier Contact Information	
Supplier Name	Antalis
Supplier Address	8, rue de Seine 92100 Boulogne -Billancourt
Supplier Country	France
Product Name	Rives Tradition Bright White
Product Category	Paper Uncoated
Grammage (gsm)/Basis weight (#)	120gsm
Microns/Caliper	172microns
Certification Number	SG7600-24-029
Certification Center	HP Singapore
Date of Evaluation	17 April 2024
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Full

Commercial Certificate Evaluation Report

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams	0		
Duplex	Number of Jams	0		
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining	100%		
Photo Peeling	290% K in 4 color mode, % ink remaining	100%		
Photo Recommended		Yes		
White Ink Recommended				Not Evaluated
Blanket Compatibility			***	
Evaluation Result		PASS		

Dry Toner ®

Certified for
HP Indigo

Supplier Contact Information	
Supplier Name	Antalis
Supplier Address	8, rue de Seine 92100 Boulogne , Billancourt
Supplier Country	France
Product Name	Rives Tradition Bright White
Product Category	Paper Uncoated
Grammage (gsm)/Basis weight (#)	250gsm
Microns/Caliper	355microns
Certification Number	SG7600-24-030
Certification Center	HP Singapore
Date of Evaluation	17 April 2024
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Full

Commercial Certificate Evaluation Report

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams	0		
Duplex	Number of Jams	0		
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining	100%		
Photo Peeling	290% K in 4 color mode, % ink remaining	100%		
Photo Recommended		Yes		
White Ink Recommended				Not Evaluated
Blanket Compatibility			***	
Evaluation Result		PASS		

Dry Toner ®

Certified for
HP Indigo

Supplier Contact Information	
Supplier Name	Antalis
Supplier Address	8, rue de Seine 92100 Boulogne -Billancourt
Supplier Country	France
Product Name	Rives Shetland Bright White
Product Category	Paper Uncoated
Grammage (gsm)/Basis weight (#)	120gsm
Microns/Caliper	171microns
Certification Number	SG7600-24-031
Certification Center	HP Singapore
Date of Evaluation	17 April 2024
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Full

Commercial Certificate Evaluation Report

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams	0		
Duplex	Number of Jams	0		
Fixing			***	See comment +
Peeling	100% K in 4 color mode, % ink remaining	Not measured		
Photo Peeling	290% K in 4 color mode, % ink remaining	-		
Photo Recommended		No		
White Ink Recommended				Not Evaluated
Blanket Compatibility			**	
Evaluation Result		PASS		

Dry Toner ®

Certified for
HP Indigo

Supplier Contact Information	
Supplier Name	Antalis
Supplier Address	8, rue de Seine 92100 Boulogne -Billancourt
Supplier Country	France
Product Name	Rives Shetland Bright White
Product Category	Paper Uncoated
Grammage (gsm)/Basis weight (#)	250gsm
Microns/Caliper	357microns
Certification Number	SG7600-24-032
Certification Center	HP Singapore
Date of Evaluation	17 April 2024
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Full

Commercial Certificate Evaluation Report

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			***	
Simplex	Number of Jams	0		
Duplex	Number of Jams	0		
Fixing			***	See comment +
Peeling	100% K in 4 color mode, % ink remaining	Not measured		
Photo Peeling	290% K in 4 color mode, % ink remaining	-		
Photo Recommended		No		
White Ink Recommended				Not Evaluated
Blanket Compatibility			**	
Evaluation Result		PASS		

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The substrate certification procedure incorporates several processes. This checks for:

Runability:

The ability of the substrate to run smoothly through the press in various print modes.

Fixing:

Ink-substrate interaction as determined by the degree of ink adhesion to the substrate for standard and photo-related applications as measured in a tape peel test of the image.

Blanket Compatibility:

Blanket-substrate interaction as determined by:

- 1) Ink-transferability, which is the quality of ink transfer from the blanket to the substrate as reflected in highlight dots, thin lines, heavy images and image edge integrity;
- 2) Ink-transferability after a self-cleaning procedure “cleaner pages” (intended to clean the blanket’s release layer and restore transfer performance) has been performed.

Approval for Photo and White Ink Applications:

Applications that use white ink and or light cyan/light magenta inks or photo related applications are strongly recommended to use robust media products due to additional ink coverage demands of these applications. This media has been tested and approved to perform well with higher levels of ink coverage, and is therefore recommended for photo-related and/or white ink type applications. However, it is strongly recommended that user acceptance ultimately be evaluated per individual application and finishing requirements, etc. The test results are provided as a guide; assess actual performance to determine suitability for individual use.

Star Rating

- ☆☆☆ Best performing substrate: excellent runnability / high ink adhesion / excellent blanket performance with no or very little issues, should generally work well for high coverage and photo applications.
- ☆☆ Recommended substrate: good runnability / good ink adhesion / print cleaners are generally required at a nominal frequency.
- ☆ Good substrate: acceptable runnability / acceptable ink adhesion / print cleaners are generally required more frequently.

		☆☆☆	☆☆	☆
	Measurement	Best-performing substrate	Recommended substrate	Good substrate
Transport	Runnability	No jam and minor issues	1 jam or minor issues	1 jam and minor issues
	Peeling: 100% K	>90%	>80%	>80% at one hour
	Photo peeling: 290% K, 10 or 60 minutes	>80% after 10 or 60 min	N/A	N/A
Blanket Compatibility	Performance evaluated when utilizing a mature blanket Blanket performance	No transfer defects and no Picking above the limit is allowed	Cleaner pages were able to remove all Transfer defect and reduce the picking to below the limit	After cleaning small transfer defects and picking are still visible

Certification Validity

This substrate is certified for the next two years from the date of evaluation, provided there is no change to the paper properties or production processes. At the end of two years from the original evaluation date, if there have been no changes in paper properties or production processes, the certification can be extended for another two years. After four years from the original certification date, a new certification is required.

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