



Available in two shades, Ice Gold and Ice Silver, Curious Metallics Digital is perfect for book covers, posters, wedding invitations, greeting cards as well as for luxury packaging.

With its sparkling effect, Curious Metallics Digital will add a special radiance to your communications.

Curious Metallics Digital is certified for HP Indigo, available in two weights and ready-to-use in SRA3+ and B2+ formats.

Printing Guidelines

Print Techniques

Suitable for widely used print techniques, including offset lithography, letterpress, embossing, debossing, silk screening, die-stamping and foil-blocking. A pre-test is recommended for thermography.

Preparation

Avoid extreme humidity or temperature condition and keep the paper as long as possible in the wrapper before use.

Inks

We recommend using fully oxidising inks. Please consult your ink manufacturer for specific colours or formulations. Curious Metallics does not contain ground metals and are not foil papers.

Screen Ruling

We recommend screen rulings of 130-163 lpi to obtain the best result.

Laminating

The paper accepts laminates easily, although some 'silvering' may occur. Increase laminating pressure and apply excess adhesive to help reduce silvering. Laminates will reduce or negate the metallic effect.

Spraying

We recommend using spray powder with a particle size of 35 microns or above when printing board weights.

Digital Printing

Curious Metallics Digital is certified for HP Indigo printing.



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HP Indigo

Property & Unit	Standard	Side or Direction		
GSM (g/m ²)	ISO 536	-	120	300
Thickness (µm)	ISO 534	-	157	400
Roughness Bendtsen (%)	ISO 8791-2	Front	550	550
Roughness Bendtsen (%)	ISO 8791-2	Back	650	650
L&W Stiffness[15° / 50 mm] (mN)	ISO 2493	MD	300	240
L&W Stiffness[15° / 50 mm] (mN)	ISO 2493	CD	150	120
Absolute Humidity (%)	ISO 287	-	6.0	6.0
Bulk (cm ³ /g)	ISO 534	-	1.31	1.33

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



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Property & Unit	Standard	Side or Direction		
GSM (g/m ²)	ISO 536	-	120	300
Thickness (µm)	ISO 534	-	157	400
Roughness Bendtsen (%)	ISO 8791-2	Front	550	550
Roughness Bendtsen (%)	ISO 8791-2	Back	650	650
L&W Stiffness[15° / 50 mm] (mN)	ISO 2493	MD	300	250
L&W Stiffness[15° / 50 mm] (mN)	ISO 2493	CD	150	125
Absolute Humidity (%)	ISO 287	-	6.0	6.0
Bulk (cm ³ /g)	ISO 534	-	1.31	1.33

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



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Supplier Contact Information	
Supplier Name	[REDACTED]
Supplier Address	[REDACTED]
Supplier Country	[REDACTED]
Product Name	Curious Metallics Digital Ice Gold
Product Category	Paper, Metallic Coated
Grammage (gsm)/Basis weight (#)	120 gsm
Microns/Caliper	157 microns
Certification Number	[REDACTED]
Certification Center	HP Singapore
Date of Evaluation	27 June 2023
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 15K / 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Interpolation

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	-		
Photo Recommended		No		
White Ink Recommended				
Blanket Compatibility			**	
Evaluation Result		PASS		

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Supplier Contact Information	
Supplier Name	[REDACTED]
Supplier Address	[REDACTED]
Supplier Country	[REDACTED]
Product Name	Curious Metallics Digital Ice Gold
Product Category	Paper, Metallic Coated
Grammage (gsm)/Basis weight (#)	300 gsm
Microns/Caliper	400 microns
Certification Number	[REDACTED]
Certification Center	HP Singapore
Date of Evaluation	27 June 2023
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 15K / 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	-		
Photo Recommended		No		
White Ink Recommended				
Blanket Compatibility			**	See Comment
Evaluation Result		PASS		

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Supplier Contact Information	
Supplier Name	[REDACTED]
Supplier Address	[REDACTED]
Supplier Country	[REDACTED]
Product Name	Curious Metallics Digital Ice Silver
Product Category	Paper, Metallic Coated
Grammage (gsm)/Basis weight (#)	120 gsm
Microns/Caliper	157 microns
Certification Number	[REDACTED]
Certification Center	HP Singapore
Date of Evaluation	27 June 2023
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 15K / 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	-		
Photo Recommended		No		
White Ink Recommended				
Blanket Compatibility			**	See Comment
Evaluation Result		PASS		

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Certified for
HP Indigo

Supplier Contact Information	
Supplier Name	[REDACTED]
Supplier Address	[REDACTED]
Supplier Country	[REDACTED]
Product Name	Curious Metallics Digital Ice Silver
Product Category	Paper, Metallic Coated
Grammage (gsm)/Basis weight (#)	300 gsm
Microns/Caliper	400 microns
Certification Number	[REDACTED]
Certification Center	HP Singapore
Date of Evaluation	27 June 2023
Evaluated on	HP Indigo 7600 multi-shot
Certified for	HP Indigo 15K / 12000 / 10000 / 7000 series / multi-shot
Evaluation Process	Screen

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	-		
Photo Recommended		No		
White Ink Recommended				
Blanket Compatibility			**	By Interpolation
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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