Commercial Certificate Evaluation Report

For HP Indigo

Supplier Contact Information	
Supplier Name	Metsa Group
Supplier Address	301 Merritt 7, 2nd Floor, Norwalk, Ct, 06851
Supplier Country	USA
Product Name	MetsaBoard Prime FBB Bright 17.7 pt.
Product Category	Carton Board
Grammage (gsm)/Basis weight (#)	280 gsm
Microns/Caliper	17.7 Pts
Certification Number	RI7500-23-6961
Certification Center	RIT
Date of Evaluation	11/01/2023
Evaluated on	HP 7500
Certified for	7500, 7000, 7600, 7800, 7900, 10000, 12000, 15K & 100K
Evaluation Process	Full

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.

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			★★★	Coated Side Only
Simplex	Number of Jams	0		
Duplex	Number of Jams			
Fixing			★★	
Peeling	100% K in 4 color mode, % ink remaining	83%		
Photo Peeling	290 K in 4 color mode, % ink remaining	55%		Photo Peel 60 Fail
Photo Recommended		No		
White Ink Recommended		N/A		
Blanket Compatibility			★★★	
Evaluation Result		Pass		

Comment Detail:

Coated Side Only - Substrate is a simplex product and only the coated side is Certified.
Photo Peel 60 Fail - Not Recommended for Photo Related Applications, did not meet minimum requirements after 60 minutes.

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 frequently.

☆ 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
Fixing	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
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

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Printing Applications Laboratory

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