



# Specialty Commercial Substrate Evaluation Report

For HP Indigo 12000 one-shot mode simplex

## Supplier Contact Information

Supplier Name	MANIFATTURA DEL SEVESO SPA
Supplier Address	MANIFATTURA DEL SEVESO SPA, OSIO SOTTO (BG) 24046
Supplier Country	ITALY
Product Name	SETALUX HP
Product Category	Paper bonded Viscose
Grammage (gsm)/Basis weight (#)	210 gsm
Microns/Caliper	230 microns
Certification Number	IL12000SP-18-08
Certification Center	Israel
Date of Evaluation	13/3/2018
Evaluated on	HP Indigo 12000 one shot Simplex
Certified for	HP Indigo 12000 one shot Simplex
Evaluation Process	Full

Evaluation	Measure	Result	Grade (stars)	Comments
Runability			*	see comment belllow
Simplex	Number of Jams	1		
Duplex	Number of Jams	-		
Fixing			***	
Peeling	100% K in 4 color mode, % ink remaining	100%		
	400% YMCK 100% each color, Visual Damage	-		
Flaking	<1 mm, % Coverage	-		
Blanket Compatibility			*	
White Ink Recommended		n/a		
Color Registration	CPR quality job	-		
Evaluation Result		Pass		

Comment Detail: Strict humidity conditions should be controlled according to manufacturer instructions, otherwise curling might occur.

Should be defined as 'uncoated'. Recommended set points: blanket temperature: 105oC, transfer force -900kg

**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:

- 1) The degree of ink adhesion to the substrate for standard applications as measured in a tape peel test of the image; and
- 2) The degree of flaking of the ink layer.

**Blanket-substrate interaction as determined by:**

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) 'Blanket Memory' effects, reflected in gloss or density differences between solids and background areas of the previously printed image; and
- 3) Number of cleaner pages, in which blankets are routinely maintained by performing a self cleaning procedure ("cleaner pages") used to refresh the blanket's release layer.

**Color registration (CPR):**

The ability of the substrate to be printed with acceptable color-to-color registration in the four color process. Synthetic materials are generally more sensitive to CPR issues.

**Star Rating**

★★★ Best performing substrate: no blanket memories or very minor memories.

★★ Recommended substrate: some print cleaners may be needed; slight memories may be seen up to 1.2K impression

★ Good substrate: print cleaners generally required; some memories may be seen by 1.2K impressions.

		★★★	★★	★
	Measurement	Best-performing substrate	Recommended substrate	Good substrate
<b>Transport</b>	Runnability	No jam and minor issues	1 jam or minor issues	1 jam and minor issues
<b>Fixing</b>	Peeling: 100% K, at 10 minutes	Visually NO damage (ignoring gloss changes)	>90%	>80% at one hour
	Peeling: 400% YMCK, 100% of each color at 10 minutes	Visually NO damage (ignoring gloss changes)	Any damage (visually)	Any damage (visually)
	Flaking guillotine at 5 minutes	<1mm at 400% K	<1 mm at 300% K	<1 mm at 200% K
<b>Blanket Compatibility</b>	Cleaner sheets clean after 1.2 K	1st cleaner sheet is clean	3rd cleaner sheet is clean	5th cleaner sheet is clean
<b>Color registration (CPR)</b>	CPR quality job	Pass/Fail		

The specialty test is a shorter test compared to the standard certification procedure, and is intended for media where low print volumes are expected. In addition to runnability, fixing and blanket compatibility, selected Print Quality parameters such as Color Plane Registration (CPR) are also evaluated. For certain substrates, particularly synthetics, special press procedures may need to be applied to obtain acceptable CPR.

HP Indigo customers must test per their specific application needs and determine if the media meets customer requirements.

**Certification Validity**

This substrate is certified for the next two years from the date of evaluation, provided there is no change to the substrate 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.

