

## NovaJet™ Backlit Front Print PET Film 75

For thermal and piezo inkjet printing of backlit motion displays

### Product Description & Application

**NovaJet Backlit Front Print PET Film 75 (PBE 5100)** is a polyester film, coated with a translucent matte ink-receptive layer for inkjet printing. It is suitable for indoor backlit applications, such as light boxes in sports and cultural events, exhibitions and short-term promotions, GIS imaging & remote sensing applications. It is ideally suited for scroll-on machines (Motion Displays) because of its thinner and lighter base.

### Features & Benefits

- Compatible with most water-based dye & pigment inks for printing on wide variety of inkjet printers.
- Highly translucent base gives excellent backlit effect at lower light intensities, thereby saving power.
- Compatibility with pigment inks enhances life of indoor prints.
- High whiteness for high colour contrast.
- Thinner base ensures smooth movement in motion displays.

### Product Specifications

- Base : Polyester film
- Thickness : 75 microns
- Surface Finish : Translucent matte
- Print Side : Front printing
- Ink Compatibility : Water-based Dye and Pigment Inks
- Ink Limit : Up to 300 % with Dye Inks, 250 % with Pigment Inks
- Shelf-Life : One year from the date of manufacture when stored in original packing at 20 - 25° C and 50 % rH.
- Availability : 914 mm x 30 mtrs; 1270 mm x 30 mtrs

### Compatibility with Water-based Dye & Pigment Inks

Ink Type	PRINTER															
	Encad			HP			Roland	Epson		Canon						
	500, 600 & 700 Series	850 Series	1000i & 1200i Series	DesignJet Z2100 / Z3100	DesignJet 430 / 750	DesignJet 1xx / 5xx / 8xx	DesignJet 1xxx / 4xxx	DesignJet 2xxx / 3xxx / 5xxx	Hi-Fi Jet Series & Super Hi-Fi Jet	Stylus 7000 / 9000 / 10000	Stylus 7500 / 9500	Stylus 4000 / 7600 / 9600 / 10600	Stylus 10000 CF	Stylus 4800 / 7800 / 9800	Image Pro Graph 6200 / 8200	Image Pro Graph 6400 / 8400
Dye	★	★	★	★	★	★	★	★	★	★	-	★	-	★	★	-
Pigment	★	★	×	-	★	★	★	★	★	-	★	-	★	-	-	★

★ Superior Compatibility

✗ Non Compatibility

◎ Under Testing

- Not Applicable

◆ Tested with Original Inks.

◆ While printing on dye-based ink compatible media using HP DesignJet Printer Models 1xx / 5xx / 8xx & 430 / 750, 1xxx / 4xxx, use "PhotoGloss" media profile for printing.

□ The Epson Stylus 4000 / 7600 / 9600 / 10600 series are tested with UltraChrome Inks and Epson Stylus 4800 / 7800 / 9800 with K3 inks respectively.

◊ While printing Backlit FrontPrint PET Film 75 on HP5500 PS & HP 5000 PS, when used with a hardware RIP, it is advised to pre-test the media, particularly while printing text on a coloured background.

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## Durability In Indoor Conditions

- The durability of the printed image is dependent on the fading characteristics of the inks used. Please consult the ink manufacturer for technical advice.
- If the printed graphics are likely to be exposed to corrosive liquids, smoke, fumes or a highly polluted atmosphere or if there is a likelihood of scratching or friction, it is strongly recommended that pigment inks are used for printing and that the prints are laminated with a UV stabilised vinyl lamination film with a solvent-based adhesive.
- NovaJet Backlit Front Print PET Film 75, when printed with water-based pigment inks and protected as indicated above (with a laminate), can have an image life expectancy of up to 6 months.

## Usage Instructions

- It is recommended to condition the media in the normal printing environment for 24 hours before printing.
- While printing, care must be taken to modify the print file to suit the ink limit of the media. For best results, please ensure proper colour calibration. For further assistance, please consult our Applications Experts or contact our HelpDesk.
- The media should be printed on within the specified ink limit. Exceeding the ink limit can lead to longer drying time, bleeding, lower resolution and poor adhesion of the lamination film.
- Printed media should be protected by a cold, UV stabilised, pressure sensitive laminate only. The prints should be thoroughly dried before lamination. The lamination film must be checked for compatibility with the media. Exposure to more than 40° C through a heat lamination process is not at all recommended.
- When sandwiched between clear and translucent acrylic sheets, ensure that the prints are completely dry and the panels are thoroughly cleaned.
- Printed media should be thoroughly dried before rolling-up for transport to avoid ink smearing.
- The inherent nature of the polyester calls for careful handling of the media to avoid fold and kink marks.
- A fresh pair of cotton gloves should be used while handling the bare media to avoid sweat, grease and oil transfer on to the media that could interfere with the print quality.
- When not in use, the media should be stored in its original packing in a vertical position.

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