NovaJet™ PhotoMatte PVC Film 100 SA

For thermal and piezo inkjet printing of self-adhesive frontlit posters

Product Description & Application

NovaJet PhotoMatte PVC Film 100 SA (VME 3564) is a self-adhesive PVC film, coated with a matte ink-receptive layer for inkjet printing. It is suitable for indoor frontlit applications in exhibitions and medium-term promotions. The ability to print with pigment inks renders it useful for window displays where sunlight is likely to fall on the print.

Features & Benefits

- Compatible with most water-based dye & pigment inks for printing on wide variety of inkjet printers.
- High whiteness for wide colour gamut and deep rich colors.
- High opacity for limited show-through.
- High image definition and line clarity for better resolution and sharpness of images.
- Self-adhesive characteristic saves time while pasting on mounting boards.
- Higher thickness of PVC film ensures better stiffness and media handling.

Product Specifications

- Base : PVC Film
- Thickness : 100 microns
- Surface Finish : White Matte
- Ink Compatibility : Most water-based Dye & Pigment inks
- Ink Limit : Up to 350% with Dye Inks, 260% with Pigment Inks
- Adhesive : Acrylic, Solvent based & Permanent
- Shelf-Life : One year from the date of manufacture when stored in original packing at 20-25° C and 50 % rH.
- Availability : 940 mm x 20 mtrs; 1270 mm x 20 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.

Matte Films

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Durability in Outdoor 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 & friction, it is strongly recommended that the prints are laminated with a UV-stabilised vinyl lamination film with a solvent-based adhesive.
- NovaJet PhotoMatte PVC Film 100 SA, 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 acclimatise 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 Application Specialists or contact our HelpDesk. Please download the ICC profiles from www.technovaworld.com
- It is recommended to wipe the print after it is totally dry with a soft, lint-free cloth to remove any dust, (dirt) loose particles (that may have accumulated during the process of storage or print finishing) before it is taken for lamination
- It is recommended to pre-test the compatibility of media, ink, lamination film and mounting surfaces with each other, for your desired application The media should be printed on within the specified ink limit. Exceeding the ink limit can lead to longer dryingtime, bleeding, lower resolution and poor adhesion of the lamination film.
- Printed media should be thoroughly dried before rolling-up for transport to avoid ink smearing. Media should be handled carefully to avoid fold and kink marks.
- Printed media should be protected by a cold, UV stabilised, pressure sensitive adhesive 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.
- Before mounting the prints on to PVC Foam Board, Polycarbonate or Acrylic sheets, it is recommended to conduct compatibility tests with the substrates in normal use conditions. Substrates must be moisture-free before mounting. It must be ensured that the mounting boards are stored horizontally, prior to use. These boards have a tendency to deform when stored vertically, thereby leading to the formation of bubbles during or after mounting. For more details, please refer to the suppliers instructions concerning the conditioning of the substrate before use. Be careful to avoid re-absorbtion of moisture from the air, during and after mounting. Never use the "wet method" to mount prints.
- If a laminating machine is used for mounting, please ensure that the board is well supported and remains completely flat as it comes out of the machine. Also, while pasting manually, make sure that the board is kept on a perfectly flat table. Keep the board as flat as possible during transportation as this will prevent formation of tunnels or humps after mounting.
- A fresh pair of cotton gloves should be used while handling the bare media to avoid sweat, grease and oil transfer onto 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.

Corporate Office

TechNova Imaging Systems (P) Limited
Laxmi Mills Estate, Off Dr. E. Moses Road
Mahalaxmi, Mumbai 400 011, India
Phone : +91 (0)22 2741 2463
Fax : +91 (0)22 2741 0261
eMail : corp@technovaworld.com
Web : www.technovaworld.com

HelpDesk
Toll-free : 1 800 22 7474 *(Only available in India)*
Phone : +91 (0)22 2741 2464 (Extn. 600)
Fax : +91 (0)22 2740 1366
eMail : help@technovaworld.com

UK office
Phone : +44 (0)20 8427 6662
Fax : +44 (0)20 8427 1162
eMail : europe@technovaworld.co.uk

Dubai office
Phone : +971 50 4590655
Fax : +971 4 8810166

Sri Lanka office
Phone : +94 1153 79926
Fax : +94 1153 31098

Branch Offices

Ahmedabad
Phone : +91 (0)79 2640 5048
Fax : +91 (0)79 2640 5492

Bangalore
Phone : +91 (0)80 2320 1103
Fax : +91 (0)80 2320 6898

Chennai (Madras)
Phone : +91 (0)44 2499 0028
Fax : +91 (0)44 2499 3512

Delhi
Phone : +91 (0)11 2331 9636
Fax : +91 (0)11 4160 5163

Hyderabad
Phone : +91 (0)40 2776 6241
Fax : +91 (0)40 2776 6251

Kochi (Cochin)
Phone : +91 (0)484 235 0768
Fax : +91 (0)484 237 4270

Kolkata (Calcutta)
Phone : +91 (0)33 2359 4256
Fax : +91 (0)33 2359 4254

Mumbai (Bombay)
Phone : +91 (0)22 2498 3390
Fax : +91 (0)22 2495 0322

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