

DATASHEET:

VERSAPASS DYE INKS

Affordable quality printing with reduced downtime and waste for a competitive cost per page

EXCELLENT PRINTHEAD RELIABILITY AND LONG LIFE WITH THE STRICTEST QUALITY

VersaPass inks are manufactured to very tight specifications with extremely low impurity levels to ensure consistent quality from batch to batch and maximize printhead life.

Advanced dyes have been chosen to achieve the highest image quality and reliability at the high speeds of VersaPass engines and print components. The VersaPass print-head's microscopic 1.2 pL ink droplets typically absorb into substrates in milliseconds.

A range of media - from plain paper to matte and glossy - continue to be qualified to optimize output for specific applications.

Created by Chemists:

Memjet's team of R&D ink chemists design VersaPass inks while working closely with printhead designers, color scientists, system engineers, and media specialists. The inks are finely tuned to jet with extremely high reliability throughout the life of the printhead, while delivering consistently high-quality output on a range of media.

DYE INKS MAIN FEATURES

- Scientifically formulated for excellent drop formation, controlled drop spread, and fast dry-time on media
- Designed to support Memjet VersaPass printhead reliability with first-rate print quality in four colors
- Over 640 qualified media from 70 suppliers
- Comprised of more than 70% water, VersaPass Inks are safe to use and are environmentally friendlier than UV, solvent, or liquid toner inks



LEARN MORE

Memjet-powered printers are sold only through authorized Memjet partners. For more information on OEM partners, or how to become an OEM partner, please visit memjet.com





VERSAPASS DYE INKS

Lightfastness

Memjet's VersaPass inks have exceptional lightfastness under various conditions, particularly when paired with appropriate media. The table below shows the estimated lightfastness based on industry-standard tests run internally by Memjet. Actual results may vary depending on several factors, such as media, image content, light intensity, temperature, and humidity.

Conditions	Coated Media	Plain Paper
Office with only fluorescent lighting (~250 lux for 12 hrs/day)	4 -5 years	6 -7 years
Office with only fluorescent lighting (~450 lux for 12 hrs/day)	2 - 2.5 years	3.0 - 3.5 years
Office with only fluorescent lighting (>~900 lux for 12 hrs/day)	12 - 15 months	18 - 20 months

Optical Density by Paper Type

The black optical density of VersaPass inks varies depending on media and profile. With Memjet's unique 5-channel printhead, users can maximize optical density by increasing print resolution (up to 1600 dpi) or by choosing to use two channels of black ink for increased black ink coverage and higher density prints.

Alternatively, if the user prefers speed and lower ink usage, a lower resolution/ink profile can be chosen. The table below provides representative black optical density on a range of media.

Inkjet Compatible Media	Black Optical Density
Plain Paper	1.0 - 1.15
Matte Coated	1.2 - 1.4
Glossy Coated	1.5 - 1.9

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