

Formulating a Greener World®

HydraJET® 2020K

Aqueous ink for porous media



TECHNICAL DATA SHEET

HydraJET® 2020K black aqueous TIJ 2.5 ink is designed for track and trace coding and marking and high-productivity industrial printing applications such as packaging, label, mailing and ticket printing.

HydraJET® 2020K ink provides enhanced fade resistance and water resistance, long decap time, excellent darkness, sharpness, and barcode readability on various porous and semi-porous substrates such as plain paper, cardboard, duplex board, and semi-porous coated paper.⁽¹⁾

Technical Specifications

Ink name	HydraJET® 2020K
Ink type	Black dye aqueous ink
Print cartridge type	HP 45ai
Resolution	Up to 600 dpi, recommended 300 × 300 dpi
Nozzle count	300
Print swath	12.7 mm
Firing voltage	11.0 V
Fire pulse width	1.8 µs
Pulse warming	OFF
Decap time ⁽¹⁾	Up to 30 min
Drying time ⁽¹⁾	1 – 3 s at 300 × 300 dpi on coated paper
Throw distance ⁽²⁾	Up to 3 mm, recommended 1 mm
Average delivered ink	42 mL (vertical)
Average drop volume	27 pL
Operating conditions	15 °C to 35 °C, 35% to 80% RH
Shipping / storage temperature	10 °C to 35 °C
Shelf life ⁽³⁾	12 months from filling date

Cartridge Shipping & Storage

- Store the cartridge with a clip placed over the printhead. Nozzles up or horizontal.
- Refer to Safety Data Sheet for more information.

Cartridge Maintenance & Handling

- Use a lint-free cloth moistened with deionized water to clean the cartridge printhead.
- Holding the cartridge printhead face down, gently press the printhead on a lint-free cloth to allow ink to wick out. Then, slowly and lightly wipe across the tip of the long edge.
- Do not shake the cartridge.

Ordering Information

Product number	Product description
2020K42A	HydraJET® 2020K Print Cartridge

(1) Ink performance may vary depending on substrate, printer, and environmental conditions.

(2) Recommended. May vary by application.

(3) Must be shipped and stored under recommended conditions.

MYLAN GROUP

Longduc Industrial Park, Travinh City, Travinh Province, Vietnam

Tel.: +84 2943 846 997 - Fax: +84 2943 846 998

Email: inks@mylangroup.com

Website: www.mylangroup.com