

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, mailing and ticket printing.

HydraJET® 2020K ink provides enhanced fade, smear and water resistance, excellent optical density, crisp and sharp output and barcode readability on various porous and semi-porous substrates such as plain paper, cardboard, duplex board, and coated papers.⁽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 x 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⁾	30 min
Drying time⁽¹⁾	1 – 3 sec at 300 x 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 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.

Cartridge Shipping & Storage

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

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.

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