

Formulating a Greener World®

HydraJET® 2020C

Aqueous ink for porous media



TECHNICAL DATA SHEET

HydraJET® 2020C cyan aqueous TIJ 2.5 ink is designed for industrial printing applications such as mailing and ticket printing.

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

Technical Specifications

| Ink name | HydraJET® 2020C |
|--------------------------------|--|
| Ink type | Cyan 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⁾ | Up to 1 h |
| Drying time ⁽¹⁾ | 1 – 3 s 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 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 |
|----------------|---------------------------------|
| 2020C42A | HydraJET® 2020C 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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