

**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 at 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.<sup>(1)</sup>

## Technical Specifications

Ink name	HydraJET® 2020K Print Cartridge
<b>Ink type</b>	Black dye aqueous ink
<b>Print cartridge type</b>	HP 45ai
<b>Resolution</b>	Up to 600 dpi, recommended 300 × 300 dpi
<b>Nozzle count</b>	300
<b>Print swath</b>	12.7 mm
<b>Firing voltage</b>	11.0 V
<b>Fire pulse width</b>	1.8 µs
<b>Pulse warming</b>	OFF
<b>Decap time<sup>(1)</sup></b>	Up to 30 min
<b>Drying time<sup>(1)</sup></b>	1 – 3 s at 300 × 300 dpi on coated paper
<b>Throw distance<sup>(2)</sup></b>	Up to 3 mm, recommended 1 mm
<b>Average delivered ink</b>	40 mL (vertical)
<b>Average drop volume</b>	27 pL
<b>Operating conditions</b>	15 °C to 35 °C, 35% to 80% RH
<b>Shipping / storage temperature</b>	10 °C to 35 °C
<b>Best before<sup>(3)</sup></b>	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.

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