

HP 1918 Dye-based Black Print Cartridge

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MAILROOM TECHNOLOGY

The HP Q2344A, 1918 Dye-based Black print cartridge achieves excellent decap times for intermittent printing conditions, and produces optimal image quality, print speed, and dry time on a wide variety of substrates.



Features

HP designed the Q2344A, 1918 Dye-based Black print cartridge specifically to support intermittent industrial printing on a wide variety of substrates: coated and uncoated papers, labels, and specialty media.

This dye-based ink optimally penetrates the surface of the substrate, producing sharp, crisp output without smearing or transfer—ideal for the packaging industry and other markets that need consistently robust results. On coated substrates, such as photo papers, this dye-based ink enhances the glossiness of the medium.

Higher decap times reduce nozzle dropouts in production environments with intermittent printing requirements.

Unlike some pigmented inks, the dye-based ink in this print cartridge is water-based, not solvent-based, so production facilities do not need additional ventilation, special chemical cleaners, or qualified service technicians who can handle solvents.

The Benefits

The Q2344A, 1918 Dye-based Black print cartridge is:

- **Reliable.** Higher decap times minimize servicing requirements between print jobs and ensure consistent high-quality output.
- **Versatile.** Prints on a wide variety of substrates, so customers have a greater range of media choices.
- **Effective.** 1918 Dye-based Black ink can be used on top of several types of offset inks, in knockout areas on porous packaging materials, and on ink-receptive coatings.
- **Efficient.** Drop-on-demand technology makes maximum use of ink supplied in the print cartridge.

Why choose HP?

HP is the worldwide leader in imaging and printing technologies. We bring our innovative, reliable, environmentally-friendly, and easy-to-use solutions to a variety of industrial markets. As pioneers of thermal inkjet printing, HP knows the technology inside and out.



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Frequently asked questions

- Who are the intended users of the Q2344A?** The Q2344A, 1918 Dye-based Black print cartridge is specifically designed for companies that have intermittent printing requirements in industrial settings.
- What are the key advantages of this print cartridge?**
- Continuity of printing. Higher decap times ensure an immediate startup every time—virtually eliminating the need to service the printhead between print jobs.
 - Excellent print quality. 1918 Dye-based Black ink produces sharp, crisp, durable output without smearing or transfer.
- What are the advantages of HP Thermal Inkjet (TIJ) Technology?**
- Cost-effective. Requires no warm-up cycle and no downtime. When it's time to replace a print cartridge, replace only the one that's needed.
 - Easy to use. No special training is required to operate and maintain thermal inkjet printers. The print cartridge design allows it to be snapped in and out for easy replacement.
 - Fast. Hundreds of tiny nozzles firing at a high frequency allow high-quality printing at high speeds.
 - Reliable. TIJ is less sensitive to air bubbles in the firing chamber than other printing technologies, avoiding print quality problems and delays caused by trapped air.
 - Flexible. Supports a wide variety of substrates.
 - High quality. TIJ places smaller drops more accurately, producing consistently superb image and text quality.
 - Environmentally safe. With thermal inkjet, there is no need for service technicians qualified to handle volatile solvents, and no noxious fumes.
 - Lower cost of ownership. A thermal inkjet printer can cost tens to hundreds of thousands of dollars less than other printing equipment, reducing the market entry cost.

Technical specifications

P/N	Q2344A
Ink type	1918 Dye-based Black aqueous ink
Resolution	600 dpi
Nozzle count	300
Print swath	.5 in
Maximum firing frequency	12 kHz
Avg. drop volume	29 pl
Avg. delivered ink (ccs)	40 ccs
Number of electrical interconnect pads	52
Operating conditions	10 to 40° C, 10 to 80% RH
Shipping/storage conditions (in original packaging only)	10 to 30° C, 5 to 80% RH Altitude: 0 – 5000 meters Orientation: nozzle up or side

Contact information

To discuss inkjet technology OEM opportunities with HP:

- Go to www.hp.com/oeminkjet and send us an email message.
- Call 858-655-3524 and leave a voicemail message.
- Mail your inquiry to: Hewlett-Packard Company, Specialty Printing Systems, Mailstop 66-654, 16399 West Bernardo Drive, San Diego, CA 92127, USA.