



HP Black 2580 Solvent Print Cartridge

Expand your coding and marking capabilities



Key highlights

- Excellent durability on coated blister foils
- Long decap time—ideal for intermittent printing
- Fast dry time without heat assistance
- High print definition
- Smear, fade, and water resistant¹
- Faster print speeds²
- Longer throw distance²

Try HP black 2580 solvent ink on:

- Coated substrates like nitrocellulose and acrylic coated blister foils
- Semi-porous and flexible film substrates

¹ Based on HP internal testing, ink performance may vary performance may vary based on substrate, printing system, and environmental conditions. Test the ink in your application to understand true performance.

² Comparison based on the HP Black 2580 Solvent Print Cartridge and the HP Black 2570 Solvent Print Cartridge.

Start producing package product coding and marking where longer throw distances and faster speeds are required. HP black 2580 solvent ink, combined with HP's improved HP 45si Print Cartridge, lets you print faster and jet farther.² HP 2580 ink also delivers long decap and fast dry times to achieve high-productivity intermittent printing for industrial coding applications.

Designed for track-and-trace coding and marking

For package production facilities using coated foil substrates, HP 2580 ink provides durable coding and marking and delivers fast dry time without heat assistance. Boost production efficiency and handling—quickly print and stack smear-resistant¹ coded products.

Maintain high productivity

HP 2580 ink offers long decap time for a solvent thermal inkjet ink, enabling production efficiency—you can stop and restart your production line without maintaining the print cartridge.

Produce consistent, high-resolution print quality

See outstanding print definition, optical density, and contrast—well suited for 1D and 2D barcode readability required in many food and pharmaceutical applications.

Jet farther and achieve higher throughput speeds²

Formulated especially for coated foil substrates, HP 2580 ink enables longer throw distances, up to 5 mm, and faster speeds, up to 76.2 meters (250 feet) per minute—both of which increase package coding and marking production flexibility.

Technical specifications



HP Black 2580 Solvent Print Cartridge

Ink type	Original HP solvent ink
Print cartridge type	HP 45si Print Cartridge optimized for non-porous printing with built-in intelligence
Resolution	Up to 600 dpi (recommended 300 x 300 dpi)
Nozzle count	300
Print swath	12.7 mm (0.5 in)
Throw distance³	Up to 5 mm
Firing voltage	8.7 V
Fire pulse width	1.8 microseconds
Pulse warming	Off
Average drop volume	B3F58A: 36 pl B3F58B: 38 pl
Average delivered ink	B3F58A: 35 ml (vertical) and 25 ml (horizontal) B3F58B: 34 ml (vertical) and 31 ml (horizontal)
Number of electrical interconnect pads	52 + 4 (printhead + Smart card)
Operating conditions	15 to 35° C / -4 to 95° F, 35 to 80% RH
Print cartridge servicing	Use lint-free wipe that is either dry or wetted with ethanol or isopropyl alcohol (IPA)
Shipping/storage conditions	-20 to 35° C / -4 to 95° F, 20 to 80% RH (if product is below 10° C, a 6-hour warm-up within the operating temperature is required prior to use) Altitude: 0 to 5000 meters (0 to 16,404 feet) Orientation: nozzles up or side
Additional shipping requirements	Dangerous goods restrictions; for more information, see the Material Safety Data Sheet (MSDS) at hp.com/go/spsmsds

Ordering information

Product number	Product description
B3F58A	HP Black 2580 Solvent Print Cartridge
B3F58B	HP Black 2580 Solvent Print Cartridge

³ Recommended. May vary by application.

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