



HP 2580 Black Solvent Smart Card Print Cartridge

Expand your coding and marking capabilities



Key highlights

- Excellent durability on coated blister foils
- Long decap time (24 hours) 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 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 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.

³ HP Food Contact Material (FCM)-suitable inks are designed and manufactured in accordance with Good Manufacturing Practice: Printing Inks for Food Contact Materials (Rev 4, 2016), published by the European Printing Ink Association (EuPIA). To receive a copy of a Statement of Composition document for an FCM-suitable ink, contact an HP SPTS Sales Representative.

Start producing package product coding and marking where longer throw distances and faster speeds are required. HP 2580 solvent ink, combined with HP's improved HP 45si Print Cartridge, lets you print faster and jet farther². 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 solvent 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.

Food and pharma packaging regulatory compliance

HP 2580 solvent ink in the B3F58B cartridge can be used to print product identification text and bar codes on the non-food contact surface of food packaging, in compliance with applicable regulations and commonly referenced industry standards in the EU, US, and other countries and regions, under specified conditions of use³. For many pharmaceutical printing applications, compliance with food contact materials regulations may be sufficient.

Maintain high productivity

HP 2580 solvent ink offers long decap up to 24 hours 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 solvent 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 2580 Black Solvent Smart Card 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 distance ⁴	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
Ink fill level ⁵	B3F58A: 50 ml B3F58B: 47 ml
Number of electrical interconnect pads	52 + 4 (printhead + Smart card)
Operating conditions	15 to 35° C / 59 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 2580 Black Solvent Smart Card Print Cartridge
B3F58B	HP 2580 Black Solvent Smart Card Print Cartridge

⁴Recommended. May vary by application.

⁵Average delivered ink: B3F58A is 35 ml (vertical) and 25 ml (horizontal) while B3F58B is 34 ml (vertical) and 31 ml (horizontal).

Learn more at

hp.com/go/oeminkjet

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