

See What HP Technology Can Do For You



HP TIJ 2.5 industrial ink portfolio



Trust HP industrial printing supplies for a wide range of industrial printing applications—from eye-catching direct mail to high-resolution barcodes, text, or graphics on packaging. HP's wide variety of ink supplies in a range of form factors offer the right solution for your business.

Why choose HP Specialty Inks?

Applying over 30 years of expertise with HP Thermal Inkjet printing technology, HP engineers have studied the interactions between inks and substrates to develop a line of specialty inks customized for a wide variety of industrial and commercial applications, offering all the benefits, quality, and reliability of genuine HP products.

Proven benefits

Adaptable

- High-resolution coding, text, and graphics up to 600 dpi
- Water and solvent-based inks
- Unmatched ease of cartridge replacement

Flexible

- Supports a wide variety of porous and non-porous substrates
- Single-use cartridges and bulk ink systems to fit your production needs

Reliable

- Consistent performance from cartridge to cartridge
- Genuine, proven HP products

HP TIJ 2.5 Industrial Ink Portfolio

This chart provides key highlights for each of the products in the HP TIJ 2.5 Industrial Ink Portfolio.

Product name	Description	Product numbers			
		SKU	Bulk ink supply	Bulk print cartridge	Ink cartridge
HP Black 45A	<ul style="list-style-type: none"> • High-optical density ink • Fade- and water-resistant • Recommended for uncoated substrates 	CG339A 40 ml B3F38A 40 ml ¹	C6119A 370 ml W3S88A 370 ml	Q7456A	Q7457A 350 ml
Versatile Black Ink	<ul style="list-style-type: none"> • Fast dry time for high-quality, high-speed printing • High durability • Recommended for coated and uncoated substrates 	C8842A 40 ml F0L36A 40 ml ¹		Q2320A	Q2321A 350 ml
Fast Dry Black Ink	<ul style="list-style-type: none"> • Fast dry time for high-quality, high-speed printing • Recommended for porous substrates 	C6195A 42 ml W3S87A 42 ml ¹			
HP Black 1918 Ink	<ul style="list-style-type: none"> • Long decap time for reliable intermittent printing on a wide variety of substrates • Recommended for coated and uncoated substrates 	Q2344A 40 ml B3F36A 40 ml ¹			
Durable Black Ink	<ul style="list-style-type: none"> • Durability, decap, and print quality performance at mid-range print speeds • Versatility up to 100 ft/min print speeds • Recommended for porous substrates 	CQ849A 40 ml			
HP Black 2510 Ink	<ul style="list-style-type: none"> • Dark, high-optical density ink • Very long decap time for high-quality, high-speed printing • Recommended for porous substrates 	F0L95A 40 ml ¹	W3S26A ¹ 370 ml		
HP Black 2520 Ink	<ul style="list-style-type: none"> • Dark black, high-optical density ink • Long decap time for reliable intermittent printing • Recommended for uncoated and aqueous coated substrates commonly used in pharmaceutical applications 	F0L69A 40 ml ¹			
HP Black 2531 Ink	<ul style="list-style-type: none"> • Fast-drying for high-speed applications • Long decap time for reliable intermittent printing • Recommended for certain uncoated, matte, and gloss-coated substrates 	CG378A 40 ml B3F37A 40 ml ¹			
HP Black 2580 Ink²	<ul style="list-style-type: none"> • Fast-drying, solvent ink • Long decap time for reliable intermittent printing • Recommended for UV-coated substrates, foils, flexible films, and PVC 			F0L89B ¹	F0L91A 400 ml ¹
Non-fluorescent Red Ink	<ul style="list-style-type: none"> • Bright red impact on a variety of substrates, including recycled fibers • Meets Universal Postal Union guidelines for color and durability 	C6128A 40 ml		Q2357A	Q2358A 350 ml
Blue 2242 Ink	<ul style="list-style-type: none"> • Bright blue impact • For varied direct mail applications • Meets Universal Postal Union guidelines for color and durability 	Q2354A 42 ml		Q2382A	Q2356A 350 ml
Spot Color Blue Ink	<ul style="list-style-type: none"> • Dries in less than one second on porous substrates • Enables higher customer response rates and simple, easy product identification 	C6170A 40 ml W3S89A 40 ml ¹			
Spot Color Red Ink	<ul style="list-style-type: none"> • Dries in less than one second on porous substrates • Enables higher customer response rates and simple, easy product identification 	C6168A 42 ml			



¹Smart Carded SKU

²Design and manufacture of HP2580 ink is in compliance 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 the Statement of Composition, submit a request through HP SPS customer support request form hp.com/go/spssupport.





 Dye

 Pigment









Substrate compatibility for HP aqueous inks

-  Dye
-  Pigment

Dry time

-  **<5 seconds**
(shortest dry time; highly recommended)
-  **<10 seconds**
(longer dry time; recommended)
-  **<20 seconds**
-  **>20 seconds**

All dry time values reported without heat assistance

	HP 45A 	Versatile Black 	Fast Dry 	HP 1918 	Durable Black 	HP 2510 	HP 2520 	HP 2531 
Decap time	4 min	<1 min	4 min	5 min	3 min	>60 min	>60 min	30 min
Uncoated	1.0 OD	1.0 OD	0.9 OD	0.9 OD	0.7 OD	1.0 OD	0.9 OD	0.9 OD
Aq coating	1.1 OD	1.2 OD	1.7 OD	0.9 OD	1.1 OD	1.4 OD	0.9 OD	0.8 OD
Tyvek	0.8 OD	0.8 OD	0.8 OD	0.7 OD	0.7 OD	0.9 OD	0.7 OD	0.6 OD
Gloss coated	1.1 OD	1.2 OD	1.0 OD	1.0 OD	1.0 OD	1.1 OD	1.1 OD	1.0 OD
Varnish coated	0.2 OD	0.9 OD	2.0 OD	0.8 OD	1.4 OD	1.0 OD	0.5 OD	0.4 OD

* OD = Optical Density



Substrate compatibility for HP Solvent 2580 Ink

	Blister Foil	Treated BOPP	Treated PET	Treated PE	PVC	UV Coat	Nylon
Decap time	>15 min	>15 min	>15 min	>15 min	>15 min	>15 min	>15 min
Dry time	5-7 seconds	3-5 seconds	3-5 seconds	5-7 seconds	5-7 seconds	5-7 seconds	5-7 seconds
Optical density	1.97	0.98	1.09	1.05	0.96	0.90	1.02
Durability	5-10	40-50	15-20	50-60	25-40	80-85	20-25

Dry time, optical density and durability values based on HP internal testing methods. Durability measured mechanically at 30psi. Percentage fade post-rub measured. Optical density measured by 300 x 300 dpi black out for solvent ink and 600 X 300 dpi for aqueous inks. Dry time measured by timed smear test. Heat assistance may help aqueous inks with long dry time >20 seconds.

Ink performance may vary based on the substrate source, printing system, and environmental conditions. Test the ink with your application to understand true performance.

Learn more at
hp.com/go/oeminkjet

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