HP Latex 360 Printer

Expand your business, boost your capacity

Beat client expectations for quality, durability

- Consider unlaminated use with scratch resistance comparable to hard-solvent inks on SAV and PVC banner[1]
- Deliver with confidence—outdoor prints last up to 5 years laminated, 3 years unlaminated[1]
- Produce sharp, consistent, repeatable image quality with high-efficiency curing, 6 colors, and 1200 dpi
- Print on traditional signage substrates and beyond—up to 64 inches—print textiles with the ink collector[2]

Handle highly demanding turnaround times

- High quality at high speeds—31 m^2/hr high-speed outdoor quality with HP OMAS and HP Latex Optimizer[3]
- Reach production speeds and avoid wait time—prints come out completely dry and ready to finish and deliver
- Save time—HP Custom Substrate Profiling and i1 embedded spectrophotometer, makes ICC profiling automatic[4]
- Increase production time and reduce time monitoring the printer—automatic, reliable, low-maintenance printing

For more information, please visit
hp.com/go/Latex360

Join the community, find tools and talk to experts.
Visit the HP Latex Knowledge Center at
hp.com/communities/HPLatex

Build a healthier environment, inside and out[5]

- Reach new indoor spaces that solvent can't, like healthcare—water-based HP Latex Ink prints are odorless
- Healthier printing with HP Latex[5]—no special ventilation required, no hazard warning labels or HAPs, nickel free[6]
- Meet high standards—HP Latex Inks are UL ECOLOGO®, GREENGUARD GOLD Certified, prints meet AgBB criteria[7]
- This ENERGY STAR® qualified printer meets strict energy efficiency guidelines and is EPEAT registered[8]

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1 Estimates by HP Image Permanence Lab on a range of media. Scratch-resistance comparison based on testing HP Latex Inks and representative hard-solvent inks. Outdoor display permanence tested according to SAE J2527 using HP Latex Inks on a range of media, including HP media; in a vertical display orientation in simulated nominal outdoor display conditions for select high and low climates, including exposure to direct sunlight and water; performance may vary as environmental conditions change. Laminated display permanence using HP Clear Gloss Cast Overlaminate. Results may vary based on specific media performance.

2 Performance may vary depending on media—for more information, see hp.com/go/mediasolutionslocator. For best results, use textiles that do not stretch. The ink collector is required for porous textiles.

3 High-quality prints in indoor (8-pass 6-color 100%) mode; banner-quality prints in outdoor (4-pass 4-color 80%) mode.

4 ICC profiling with the spectrophotometer does not support textiles and banners.

5 Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

6 Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer—see the Site Preparation Guide for details. Customers should consult state and local requirements and regulations. HP Latex Inks were tested for Hazardous Air Pollutants, as defined in the Clean Air Act, per U.S. Environmental Protection Agency Method 311 (testing conducted in 2013) and none were detected. Nickel free demonstrated according to testing conducted for HP Latex Inks to achieve UL ECOLOGO® Certification. UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see ul.com/EL).

7 UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see ul.com/EL). GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org. HP WallArt printed on HP PVC-free Wall Paper and other prints on HP PVC-free Wall Paper printed with HP Latex Inks meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products, see umweltbundesamt.de/en/topics/health/commissions-working-groups/ausschuss-zur-gesundheitlichen-bewertung-von.

8 EPEAT registered where applicable/supported. See a for registration status by country.

Take advantage of third-generation HP Latex Printing Technologies

Water-based HP Latex Inks combine the best characteristics of solvent inks and water-based inks.

With HP Latex Inks, you can obtain outdoor durability and versatility across all common media types used in sign and display applications, together with high-quality, odorless prints, low maintenance, and health advantages[9]—even over eco-solvent inks.

The HP Latex 360 Printer features a number of significant innovations that take you beyond the limits of eco-solvent printing, creating new opportunities to expand your business.

HP 831 Latex Inks
Take advantage of the versatile, durable performance of HP Latex Inks:

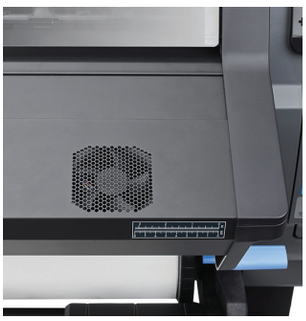
- Scratch resistance comparable to hard-solvent inks on SAV and PVC banner—you can consider unlaminated use for short-term signage[10]
- Prints are completely cured and dry inside the printer, and ready for immediate finishing and delivery

HP Latex Optimizer
Achieve high image quality at high productivity:

- Interacts with HP Latex Inks to rapidly immobilize pigments on the surface of the print

HP 831 Latex Printheads
Experience high-productivity printing:

- Six HP printheads provide 12,672 nozzles



High-efficiency curing
High-speed, consistent, and repeatable image quality with low power consumption:

- 17 m^2/hr (183 ft^2/hr) indoor quality, 31 m^2/hr (334 ft^2/hr) high-speed outdoor quality, 91 m^2/hr (980 ft^2/hr) maximum print speed[11]

[9] Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

[10] Scratch-resistance comparison based on testing HP Latex Inks and representative hard-solvent inks. Estimates by HP Image Permanence Lab on a range of media.

[11] Indoor prints (8-pass 6-color) mode; outdoor high-speed prints (6-pass 6-color) mode; maximum print speed (1-pass) mode.

Improve uptime and productivity with HP Services

HP Services offer you a broad portfolio of proven support programs to help keep your business running productively including HP Care Pack Services, preventive maintenance kits, and HP Support Programs.

Eco Highlights

- Healthier printing with HP Latex—no special ventilation, no hazard warning labels or HAPs[1]
- UL ECOLOGO® Certified HP Latex Inks meet a range of stringent human health criteria[2]
- A safer workplace—HP Latex Inks are non-flammable, non-combustible and nickel free[3]
- GREENGUARD GOLD Certified HP Latex Inks; produce odorless prints; printer over 85% recyclable[4]

1 Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation. Special ventilation equipment (air filtration) is not required to meet U.S. OSHA requirements. Special ventilation equipment installation is at the discretion of the customer—see the Site Preparation Guide for details. Customers should consult state and local requirements and regulations. Contains no Hazardous Air Pollutants according to EPA Method 311.

2 UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see ul.com/EL).

3 Water-based HP Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. Testing per the Pensky-Martins Closed Cup method demonstrated flash point greater than 110° C. Nickel free demonstrated according to testing conducted for HP Latex Inks to achieve UL ECOLOGO® Certification. UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of stringent criteria related to human health and environmental considerations (see ul.com/EL).

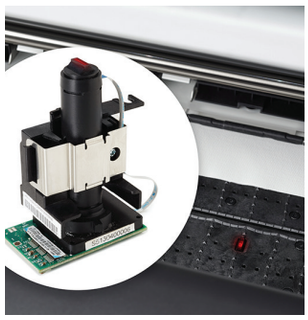
4 GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org. This printer contains more than 85% recyclable/reusable content by weight.

Please recycle large-format printing hardware and printing supplies.

Find out how at our website
hp.com/ecosolutions

Color consistency
Print panels or tiles with excellent color consistency for an edge-to-edge match:

- i1 embedded spectrophotometer enables automatic calibration[12]
- Delivers consistent colors to <= 2 dE2000[13]



Optical Media Advance Sensor (OMAS)
Precise and accurate motion control of media advance between print swaths:

- Suppresses banding from even small media advance errors
- Controls registration automatically including double-sided prints with automated registration across sides[14]

Ink collector
Expand into textile signage, no need to trim off margins:

- Print on a wide variety of textiles—including porous textiles—with the ink collector[15]
- Print with full-bleed capability

HP Custom Substrate Profiling
Simplified and automated color management, directly from the front panel, 8-inch touchscreen:

- Pre-installed generic and HP substrate profile library
- Online substrate library access from the front panel
- Fine-tune existing profiles
- Create custom ICC profiles with the i1 embedded spectrophotometer[12]

12 ICC profiling with the spectrophotometer does not support textiles and banners.

13 The color variation inside a printed job has been measured to be within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

14 For best results use media options intended for double-sided printing.

15 Performance may vary depending on media—for more information, see hp.com/go/mediasolutionslocator. For best results, use textiles that do not stretch. The ink collector is required for porous textiles.

Technical specifications

Printing	Printing modes	91 m²/hr (980 ft²/hr) - Max Speed (1 pass)
		31 m²/hr (334 ft²/hr) - Outdoor High Speed (4 pass)
		23 m²/hr (248 ft²/hr) - Outdoor Plus (6 pass)
		17 m²/hr (183 ft²/hr) - Indoor Quality (8 pass)
		14 m²/hr (151 ft²/hr) - Indoor High Quality (10 pass)
		6 m²/hr (65 ft²/hr) - Backlits, Textiles, and Canvas (16 pass)
		5 m²/hr (54 ft²/hr) - High Saturation Textiles (20 pass)
	Print resolution	Up to 1200 x 1200 dpi
	Margins	5 x 5 x 0 x 0 mm (0.2 x 0.2 x 0 x 0 in) (without edge holders)
	Ink types	HP Latex Inks
	Ink cartridges	Black, cyan, light cyan, light magenta, magenta, yellow, HP Latex Optimizer
	Cartridge size	775 ml
	Printheads	6 (2 cyan/black, 2 magenta/yellow, 1 light magenta/light cyan, 1 HP Latex Optimizer)
	Color consistency	<= 2 dE (95% colors) <= 1 dE average[16]
Media	Handling	Roll feed; take-up reel; automatic cutter (for vinyl, paper-based media, backlit polyester film)
	Media types	Banners, self-adhesive vinyls, films, fabrics, papers, wall-coverings, canvas, synthetics, mesh, textiles
	Roll size	254 to 1625-mm (10 to 64-in) rolls (580 to 1625-mm (23 to 64-in) rolls with full support)
	Roll weight	42 kg (92.6 lb)
	Roll diameter	250 mm (9.8 in)
	Thickness	Up to 0.5 mm (19.7 mil)
Applications	Banners, Displays, Double-sided banners, Exhibition, Event graphics, Exterior signage, Indoor posters, Interior decoration, Light boxes – film, Light boxes – paper, Murals, POP/POS, Posters, Textile, Vehicle graphics	
Connectivity	Interfaces (standard)	Gigabit Ethernet (1000Base-T)
Dimensions (w x d x h)	Printer	2561 x 840 x 1380 mm (101 x 33 x 54 in)
	Shipping	2795 x 760 x 1250 mm (110.1 x 30 x 49.3 in)
Weight	Printer	207 kg (456 lb)
	Shipping	301.5 kg (665 lb)
What's in the box	HP Latex 360 Printer, printheads, maintenance cartridge, ink collector, output platen protector, printer stand, spindle, take-up reel, loading accessory, user maintenance kit, edge holders, quick reference guide, setup poster, documentation software, power cords	
Environmental ranges	Operating temperature	15 to 30°C (59 to 86°F)
	Operating humidity	20 to 80% RH (non-condensing)
	Storage temperature	-25 to 55°C (-13 to 131°F)
Acoustic	Sound pressure	55 dB(A) (printing); < 15 dB(A) (sleep)
	Sound power	7.4 B(A) (printing); < 3.5 B(A) (sleep)
Power	Consumption	4.6 kW (printing); < 2.5 watts (sleep)
	Requirements	Input voltage (auto ranging) 200 to 240 VAC (-10% +10%) two wires and PE; 50/60 Hz (+/- 3 Hz); two power cords; 16 A max per power cord
Certification	Safety	IEC 60950-1+A1 compliant; USA and Canada (CSA listed); EU (LVD and EN 60950-1 compliant); Russia, Belarus, and Kazakhstan (EAC); Australia and New Zealand (RCM)
	Electromagnetic	Compliant with Class A requirements, including: USA (FCC rules), Canada (ICES), EU (EMC Directive), Australia and New Zealand (RCM), China (CCC), Japan (VCCI), Korea (KC)
	Environmental	ENERGY STAR, WEEE, RoHS (EU, China, Korea, India), REACH, EPEAT Bronze, OSHA, CE marking compliant
Warranty	One-year limited hardware warranty	

Ordering information

Product	B4H70A	HP Latex 360 Printer
Accessories	F0M56A	HP Latex 64-in Printer 2-in Spindle
	F0M58A	HP Latex 64-in Printer 3-in Spindle
	F0M59A	HP Latex 3X0 User Maintenance Kit
	F0M63A	HP Latex Media Loading Accessory
	F0M64A	HP Latex 3X0 Edge Holders
	D8J24A	HP Latex 360 Ink Collector
Original HP printheads	CZ677A	HP 831 Cyan/Black Latex Printhead
	CZ678A	HP 831 Yellow/Magenta Latex Printhead
	CZ679A	HP 831 Light Magenta/Light Cyan Latex Printhead
	CZ680A	HP 831 Latex Optimizer Printhead
Original HP ink cartridges and maintenance supplies	CZ688A	HP 831B 775-ml Black Latex Ink Cartridge
	CZ689A	HP 831B 775-ml Cyan Latex Ink Cartridge
	CZ690A	HP 831B 775-ml Magenta Latex Ink Cartridge
	CZ691A	HP 831B 775-ml Yellow Latex Ink Cartridge
	CZ692A	HP 831B 775-ml Light Cyan Latex Ink Cartridge
	CZ693A	HP 831B 775-ml Light Magenta Latex Ink Cartridge
	CZ706A	HP 831 775-ml Latex Optimizer Ink Cartridge
	CZ681A	HP 831 Latex Maintenance Cartridge
Original HP large format printing materials	HP printing materials are designed together with HP Latex Inks and HP Latex printers to provide optimal image quality, consistency, and reliability.	
	HP PVC-free Wall Paper (FSC® and GREENGUARD GOLD Certified)[17]	
	HP Everyday Matte Polypropylene, 3-in Core ♻[18]	
	HP Backlit Polyester Film ♻[18]	
	HP Premium Satin Canvas	
	For the entire HP Large Format Printing Materials portfolio, please see globalBMG.com/hp.	
Service and support	U1ZP6E	HP 2 year Next business day Defective Media Retention
	U1ZP7E	HP 3 year Next business day Defective Media Retention
	U1ZP8PE	HP 1 year Post warranty Next business day Defective Media Retention
	U1ZP9PE	HP 2 year Post warranty Next business day Defective Media Retention

[16] The color variation inside a printed job has been measured to be within this limit: maximum color difference (95% of colors) <= 2 dE2000. Reflective measurements on a 943 color target under CIE standard illuminant D50, and according to the standard CIEDE2000 as per CIE Draft Standard DS 014-6/E:2012. 5% of colors may experience variations above 2 dE2000. Backlit substrates measured in transmission mode may yield different results.

[17] BMG trademark license code FSC®-C115319, see fsc.org. HP trademark license code FSC®-C017543, see fsc.org. Not all FSC®-certified products are available in all regions. GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org.

[18] HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See hp.com/recycle for details.