



Sustainability overview—environmental labels and certificates

HP Latex L700 and L800 series printers using HP 832 and 873 Latex Inks

Helps your day	Helps you win	Helps our future
<p>ROADMAP TO ZERO Level 1 – Zero Discharge of Hazardous Chemicals (ZDHC) ¹</p> <p>Original HP Latex Ink water-based technology</p> <ul style="list-style-type: none"> No reactive monomer chemistry ² No special ventilation ³ Ozone free No required hazard warning labels No HAPs ⁴ Odorless prints ⁵ Non-combustible Non-flammable ⁶ No problematic heavy metals, amines, colorants ⁷ Not classified eye irritant No special transportation, handling, storage ⁶ 	<p>ECOLOGO PRODUCT CERTIFIED FOR PRODUCT ENVIRONMENTAL IMPACT: VERY LOW TOPOXIC IMPACTS FOR HUMAN HEALTH AND ENVIRONMENT</p> <p>GREENGUARD PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL 2898 GOLD</p> <p>Inks comply with toy safety standards ¹⁰</p> <p>Inks meet stringent health and environmental criteria ⁸</p> <p>Unrestricted, full room No-wait installation or lamination ⁹</p> <p>Odorless prints ⁵</p> <p>No latex-related allergy</p> <p>Does not cause reaction ¹¹</p> <p>Meets AgBB criteria ¹⁴</p> <p>French VOC rated A+ (very low emission) ¹³</p> <p>Earn LEED credits</p> <p>Low emitting category ¹⁵</p> <p>hp ecosolutions Trained Printing Company HP Latex Technology ¹⁶</p>	<p>HP Planet Partners</p> <ul style="list-style-type: none"> Eco-Carton ink cartridge 80% less plastic, 66% CO₂e reduction, uses sustainable materials, zero to landfill ¹⁷ Over 50 eco-conscious media to choose from ¹⁸ Printer made with 20% (10 kg / 22 lbs) recycled plastics including UL Validated ocean bound ¹⁹ and closed loop Over 96% of materials used in printer are recyclable ²⁰ Free Eco-Carton ink bag and printhead recycling with HP Planet Partners program (rated best in industry) ²¹ HP ink cartons recyclable in local cardboard streams ²² Free HP Large Format Media take-back program ²³ HP paper-based prints recyclable locally ²³ Prints non-hazardous safe for disposal ²³ <p>PVC free ²⁴</p> <p>FSC www.fsc.org FSC® C115319</p> <p>Certified papers ²⁵</p> <p>ENERGY STAR ²⁸</p> <p>RoHS COMPLIANT ²⁶</p> <p>REACH COMPLIANT ²⁷</p> <p>repeat ²⁹</p>

This document provides a description of all environmental labels and certificates applicable to HP 832 and 873 Latex Inks used in HP Latex L700 and L800 series printers (sometimes referred to as fourth-generation HP Latex)

Note: Print service providers (PSPs) must seek environmental labels and certificates with certifying bodies³⁰

HP Latex technology delivers sustainable features that matter to your operators, our environment, and your business

End-to-end sustainability—a better approach

HP is recognized among the 2020 Global 100 Most Sustainable Corporations in the World, and has achieved multiple other sustainability awards year after year.³¹ The latest generation of Water-based HP Latex Ink provides a no hazard warning label solution for the signage, decoration, and textile printing segments that is designed to avoid the hazards associated with eco-solvent, solvent, UV-curable, and UV-gel ink. With each new generation of HP Latex, HP continues to drive a greater sustainable impact in large-format printing while still providing outdoor durability and versatility, expanding now into heat sensitive substrates as well as white ink applications. HP has the commitment and the scale to address current—as well as anticipated—environmental requirements, and to continue leading the change in signage printing. By working with our partners and customers to closely manage each component of the printing system (printer, inks, printheads, and media), we can design and deliver products that help provide an end-to-end large-format printing solution that’s better overall:

- **Helps your day** – making safer operations easier
 - Enable a more comfortable and welcoming operation
- **Helps our future** – reducing plastic, ocean bound and landfill
 - Aspire to a world without waste

- **Helps you win** – create more opportunity
 - Environmental advantages to access new business

The HP Latex printing system is designed for sustainable impact through printer and cartridge materials, ink chemistry, printer operation/print production, the print itself, print display, and product end of life.³² This document provides a description of each of the environmental labels and certificates applicable to HP L700/800 printer series system when used with Original HP 832 and 873 (fourth-generation) Latex Inks.

Environmental labels and certificates may only apply to specific products, configurations, or circumstances—within the portfolio of HP Latex printers compatible with fourth-generation HP Latex Inks. For the most current information on environmental labels and certificates, you can reference the product data sheets available at hp.com/go/latex. The environmental labels and certificates highlighted in this document apply as of Feb 02, 2020 and are subject to change without notice.

Environmental labels:

Roadmap to Zero Level 1 – Zero Discharge of Hazardous Chemicals (ZDHC)¹ – Demonstrates that HP Latex Inks conform to or meet the standards of the ZDHC Manufacturing Restricted Substances List (ZDHC MRSL) [version 1.1](#), in an effort to reduce textile production impact on the environment. The ZDHC MRSL contains more than 100 chemical substances, such as VOCs, problematic dyes, heavy metals, phthalates, and others which are banned from intentional use during production. ZDHC is an organization dedicated to eliminating hazardous chemicals and implementing sustainable chemicals in the leather, textile, and synthetics sectors to help contribute to cleaner air (indoor and outdoor), cleaner water, and cleaner production. The Roadmap to Zero Program is a multi-stakeholder organization which includes top brands, value chain affiliates, and associates, that work collaboratively to implement responsible chemical management practices. See roadmaptozero.com

UL ECOLOGO^{®8} A prominent, voluntary certification issued by UL Environment and recognized worldwide. ECOLOGO[®] Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle-based stringent criteria related to human health and environmental considerations. The standard criteria include testing for heavy metals content and solvents, requirements for low VOC content levels, as well as product recyclability. HP was the first printing manufacturer to have ECOLOGO[®] Certified ink. See ul.com/EL

UL GREENGUARD GOLD⁹ – A prominent, voluntary third-party certification issued by UL Environment and recognized worldwide. UL GREENGUARD Gold Certification to UL 2818 demonstrates that products are certified to UL GREENGUARD standards for low chemical emissions into indoor air during product usage. This certification came about from traditionally high emitting interior decoration items, like paint, carpet, and furniture, which can negatively impact indoor air quality and release strong odors for many weeks or months after installation. UL GREENGUARD Gold Certification indicates that products—including inks, printed substrates, and the combination of both for indoor applications—contribute to healthier indoor environments by minimizing potential exposure to airborne chemicals. See ul.com/gg

There are three levels of UL GREENGUARD Gold Certification for printing ink products based on the amount of printed material that may be installed in a room. HP Latex Inks are certified for the lowest emissions, qualified as unrestricted to wallpaper a full room:

- **Wallpaper** – unrestricted for a full decorated room 33.4 m² (360 ft²) in an office environment and 94.6 m² (1,018 ft²) in a classroom environment
 - **HP Latex Inks** – qualifies here, with an additional advantage of no-wait time needed from printing to installing or laminating
- **Decorative wall** – restricted to one wall of less than 10.4 m² (112 ft²) in an office environment and less than 31.6 m² (340 ft²) in a classroom environment
- **Signage** – restricted to a small sign of less than 3 m² (32 ft²) in an office environment and less than 11.9 m² (128 ft²) in a classroom environment

While some competing inks also achieve UL GREENGUARD Gold Certification, not all of them reach the lowest emissions of unrestricted to wallpaper a full room, instead they qualify at the restricted levels limited to decorate either one wall of a room, or a sign in a room.

FSC-certified paper²⁵ – The HP large format printing materials portfolio includes a wide range of FSC®-certified papers. These papers carry the Forest Stewardship Council® (FSC) Mix label, signifying that these media support the development of responsible forest management worldwide. FSC® Chain of Custody certification enables PSPs to promote finished prints as FSC® certified, allowing consumers to identify and choose products that support the development of responsible forest management worldwide. PSPs must seek certifications directly with FSC.® See fsc.org.

Energy Star²⁸ – A voluntary United States (US) Environmental Protection Agency (EPA) program that certifies products for superior energy efficiency. The mark is broadly recognized, and furthermore, products sold to governments in the US, Taiwan, the EU, Australia/ New Zealand, and Japan must be ENERGY STAR® certified. Applicable only for Low-volume HP Latex printers such as HP L700 and L800 printer series, which are ENERGY STAR® certified. See hp.com/go/ecolabels

Environmental certificates:

CE mark EN 15102¹² – An obligatory product mark for the European Market. The CE marking is intended to facilitate the free movement of goods within the European Economic Area. CE marking to wallcoverings indicates the products comply with not only Construction Products Regulation CPR 305/2011/EU, but also essential requirements of Harmonized Standard EN 15102.

Émissions dans l'air intérieur¹³ – (French VOC rating) Mandatory labeling for decoration products in France. Provides a statement on the level of emission of volatile substances in indoor air posing health risks if inhaled—on a scale from A+ (very low emission) to C (high emission). Wall decorations printed with HP Latex Inks and HP PVC-free Durable Suede Wall Paper are rated A+ according to Émissions dans l'air intérieur. See anses.fr/en/content/labelling-building-and-decoration-products-respect-voc-emissions

AgBB criteria¹⁴ – HP Latex Inks meet with AgBB criteria. AgBB is a health-related evaluation of building products in Germany. Prints produced with HP Latex Inks on HP PVC-free Durable Suede Wall Paper meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products. See umweltbundesamt.de/sites/default/files/medien/355/dokumente/agbb_evaluation_scheme_2018.pdf

Electronic Product Environmental Assessment Tool (EPEAT)²⁹ – A voluntary certification that provides a comprehensive environmental rating that helps identify more sustainable electronic components. Qualified products meet rigorous criteria across the complete product lifecycle—from materials restriction to packaging and air quality—in addition to the latest ENERGY STAR® standard. EPEAT registered where applicable and/or supported. Applicable only for Low-volume HP Latex printers such as HP L700 and L800 printer series, which is EPEAT Silver registered. For registration status and rating by country, see epeat.net

Other sustainability programs to help PSPs to better communicate their sustainability printing efforts and create new business opportunities:³⁰

Earn LEED credits¹⁵ – USGBC's LEED program (United States Green Building Council's Leadership in Energy and Environmental Design) green building certification program recognizes best-in-class building strategies and practices. Based on low chemical emissions confirmed by UL GREENGUARD Gold Certification, prints produced on HP PVC-free Durable Smooth Wallpaper using HP Latex Inks enable LEED credits in the low emitting category. See usgbc.org/leed

HP Ecosolutions Training¹⁶ – A program for HP Latex printing technology users providing convenient web-based training to help PSPs gain knowledge and provide value to the growing number of clients looking for graphics solutions with reduced environmental impact. See hplateknowledgecenter.com/blog/hp-ecosolutions-training

HP sustainability resources:

Material Safety Data Sheet (MSDS) – A document relating to occupational safety and health for the use of various substances and products. MSDS information may include instructions for the safe use and potential hazards associated with a particular material or product, along with spill-handling procedures, transportation classification, etc. See hp.com/go/msds

As reported in the MSDS for HP 832 and 873 Latex Ink printing supplies:

- **Original HP Latex Ink water-based technology** – HP Latex Inks contain up to 65% water. Using water-based inks eliminates exposure to high solvent concentrations, and simplifies ventilation, storage, and transportation requirements (in some countries).
- **No reactive monomer chemistry²** – HP Latex Inks are substantially free of reactive monomers. Compare to UV and UV-gel inks that contain up to 80% acrylate monomers along with photo initiators which are specified as hazardous compounds in the European Chemicals Agency (ECHA) registered substances database. With UV and UV-gel the user must cure the acrylate monomer with UV light at correct intensity and time. Uncured acrylates are a known skin hazard with risks of exposure during UV and UV-gel printer maintenance and cleaning, or from prints that are not properly cured.
- **No special ventilation³** – No air filtration is required for printer setup and operation. Always refer to the site preparation guide for specific recommendations.
- **Ozone free** – No ground level ozone is generated. Ground level ozone generation is associated with the UV ink curing process when mercury UV lamps are used.
- **No hazard warning labels** – No hazard warning labels are required for fourth-generation HP Latex Ink
- **No HAPs⁴** – No Hazardous Air Pollutants (HAPs) present. HAPs are known or suspected to cause cancer or other serious health effects, such as reproductive effects or birth defects, or adverse environmental effects. Most eco-solvent ink formulas contain up to 80% volatile organic solvent listed as HAPs by the US Environmental Protection Agency (EPA). The high volatility of organic solvent in high concentrations in eco-solvent inks results in significantly higher levels of VOCs than water-based inks.
- **Odorless prints⁵** – Intensity and hedonic testing indicates weak and neutral odor for HP Latex Ink, while eco-solvent ink is rated as weak and slightly unpleasant odor, and UV ink is rated as distinct and unpleasant odor.
- **Non-combustible and non-flammable⁶** – HP Latex Inks have a flashpoint of greater than 110° C (230° F), while the eco-solvent ink flashpoint can be between 60° C and 70° C (140° F and 158° F) which may require special storage or transportation requirements in some countries.
- **Not classified as an eye irritant** – HP Latex Inks have been tested to not be classified as an eye irritant.
- **No problematic heavy metals⁷, amines, colorants** – as tested and demonstrated compliant with toy safety methods and protocols (see below – *Inks comply with toy safety standards*). Arsenic, antimony, soluble barium, cadmium, chromium, cobalt, mercury, lead, nickel, and selenium are not present as intentionally added components and were not detected in toy testing. As with most cyan inks, the HP Latex cyan ink utilizes a copper-based dye that is present only in bound form as copper phthalocyanine. There are no other heavy metals present as intentionally added ingredients.
- **No special transportation, handling, storage⁶** – Not a concern for HP Latex Ink due to the low flashpoint. Eco-solvent ink may require special care in some countries.

Inks comply with toy safety standards¹⁰ – Fourth-generation HP Latex Ink is compliant with toy directives in Canada, Europe, and the United States, which screen for problematic heavy metals, amines, and colorants, indicating it does not contain problematic colorants, heavy metals, or amines. However, it is the obligation of the toy manufacturer to adequately classify the toy for specific use and demonstrate adherence to all toy safety requirements applicable to the final toy product. HP does not recommend using the ink for toys intended to target children under the age of 3 years.

Does not cause a latex-related allergic reaction¹¹ – The latex polymer used in HP Latex Inks is not related to natural or synthetic latex, so it does not cause a latex-related allergic reaction.

Take-back and recycling²¹ – HP is committed to proper end of life disposal and recycling, helping our customers do this responsibly by providing many free and convenient ways to return and/or recycle eligible HP ink cartridges, printheads, and HP large format printing materials. See hp.com/go/recycle for details.

The overall attribute of recyclability is a function of many factors that vary in relevance depending on the printed application (including media substrate) and the typical recycling process. HP Latex Inks have been designed with recyclability in mind, such as not intentionally adding heavy metals. See HP's official [Recycling HP Latex Prints – End of Life Management Statement](#) for more information.

- **Eco-Carton ink cartridge 80% less plastic, 66% CO₂e reduction, uses sustainable materials, zero to landfill¹⁷** – The 1-liter Eco-Carton is a carton-based ink cartridge that replaces plastic cartridges. This provides an 80% reduction in plastic compared to previous plastic HP Latex cartridges, achieving 66% CO₂e reduction in manufacturing and transportation annually of 291 tons and 8 tons, respectively. A CO₂e to charging over 38 million smartphones annually. The Eco-Carton uses sustainable materials such as recycled carton fiber, SFI certified sustainably sourced fiber, and recycled plastics recovered from post-consumer electronics, closed loop from HP Planet Partners, soda bottles, and UL Validated ocean bound resins¹⁹. When the Eco-Carton is empty simply separate the inner ink bag from the carton box. The outer carton is 100% recyclable through local cardboard/paper programs. Inner materials including the ink bag are 55% recyclable and can be returned free of charge to the HP Planet Partners program for reprocessing of plastic parts with zero going to landfill.
- **Printer made with 20% (10 kg / 22 lbs) recycled plastics including UL Validated ocean bound¹⁹ and closed loop** – The L700/800 printer total plastic weight uses 10 kg (22 lbs) or 20% recycled plastics recovered from post-consumer electronics, closed loop from HP Planet Partners, soda bottles, and UL Validated ocean bound resins.
- **Over 96% of materials used in printer are recyclable²⁰** – More than 96% recyclable materials by product weight following the Waste Electrical and Electronic Equipment (WEEE) Directive. See hp.com/go/recycle for details.
- **Free Eco-Carton ink bag and printhead recycling with the HP Planet Partners program (rated best in the industry)²¹** – Visit hp.com/go/recycle for details as not all supplies are eligible and not all countries participate. HP Planet Partners is rated as the best supplies recycling program in the print industry.
- **HP ink cartons recyclable in local cardboard streams²²** – The carton (cardboard) portion of used HP 832 and 873 Latex Ink Cartridges are fully recyclable through local municipal cardboard or mixed paper recycling programs. The carton portion accounts for up to 50% and up to 65% total dry weight for HP 832 and 873, respectively.
- **Free HP Large Format Media take-back program²³** – A free program for business customers to return prints and unprinted scrap materials, HP offers the HP Large Format Media take-back program in the U.S. and Europe through which many HP printed signage media can be returned. If printing on other material types, consult the media vendor for recyclability options. See hp.com/promo/media/index.html for details.

- **HP paper-based prints recyclable locally²³** – HP printed material on paper-based products can go directly to locally available paper recycling programs. Or if printing on other material types, consult the media vendor for recyclability options. See <https://hplatexknowledgecenter.com/blog/preview/recycling-hp-latex-prints-end-of-life-management-statement>
- **Prints non-hazardous safe for disposal²³** – If not printing eligible for take-back HP branded materials, nor recyclable HP branded paper-based media, then consult the media vendor for recyclability and disposal options. The prints are typically considered non-hazardous and safe for disposal. See <https://hplatexknowledgecenter.com/blog/preview/recycling-hp-latex-prints-end-of-life-management-statement>

Over 50 eco-conscious media to choose from¹⁸ – HP applications experts have evaluated the catalog of media listed in the HP Media Locator to identify those that present an environmental benefit when compared to the typical media used for that application. For example, in wallpaper applications the typical media is PVC-based, an eco-conscious media in this application is one that is free of PVC toxins like HP PVC-free wall papers. Another example is media which offer a print take-back program for proper end of life management. Look for the “green leaf” icon identifier in the HP Media Locator to choose eco-conscious media. See printos.com/ml/#/medialocator

PVC free²⁴ – HP Latex Ink is PVC free. Also applicable to HP PVC-free wall papers. Chemical analysis demonstrated elemental chlorine to be at or below 200 ppm. Presence of chlorine is attributed to residual chlorine used in paper-making process, and not due to the presence of PVC. See printos.com/ml/#/medialocator

REACH²⁷ – Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) is a regulation of the European Union, adopted to improve the protection of human health and the environment from risks that can be posed by chemicals. Select HP large format printing materials are REACH compliant. As required by REACH, HP makes a declaration regarding substances in HP large format printing materials listed as Substances of Very High Concern (SVHC) in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the [HP REACH Declaration published at HP Printing Products and Consumables Supplies](#).

RoHS²⁶ – Restriction of Hazardous Substances (RoHS) also known as Directive 2011/65/EU, otherwise known as EU RoHS 2, as amended by Directive 2015/863/EU and RoHS legislation in other jurisdictions, originated in the European Union and restricts the use of specific hazardous materials found in electrical and electronic products (known as EEE). All applicable products in the EU market must pass RoHS compliance. See HP’s Compliance with Restriction of Hazardous Substances (RoHS) Legislation in the EU and other jurisdictions.

For more HP environmental sustainability details and compliance information, visit hp.com/go/environment and hp.com/go/SCC

1 UL tested and certified HP Latex inks comply to the ZDHC Roadmap to Zero Level 1 standards of the ZDHC Manufacturing Restricted Substances List (ZDHC MRS) 1.1, a list of chemical substances banned from intentional use during production. ZDHC is an organization dedicated to eliminating hazardous chemicals and implementing sustainable chemicals in the leather, textile, and synthetics sectors. The Roadmap to Zero Program is a multi-stakeholder organization which includes brands, value chain affiliates, and associates, that work collaboratively to implement responsible chemical management practices. See roadmaptozero.com.

2 Printing with HP Latex inks avoids the problematic reactive monomers associated with UV printing. Acrylate monomers present in uncured UV inks and UV-gel inks can damage skin.

3 Applicable to HP Latex printers. No special ventilation equipment means air filtration systems are not required to meet U.S. OSHA requirements. Condensate collection systems are provided on some models. 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.

4 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.

5 There is a broad set of media with very different odor profiles. Some of the media can affect the odor performance of the final print. Based on sensory evaluations conducted by Odournet done according to VDI Guideline 3882 where HP Latex inks were characterized as “weak” in odor intensity and “neutral” for hedonic tone.

6 Water-based HP Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. Testing per the Pensky-Martens Closed Cup method demonstrated flash point greater than 110° C (230° F).

7 Arsenic, antimony, soluble barium, cadmium, chromium, cobalt, mercury, lead, nickel, and selenium are not present as intentionally added components and were not detected in toy testing. However, according to ICP-MS results, the following may be present in the raw ink as contaminants: Arsenic <0.1 ppm, Chromium <0.2 ppm, Nickel <0.2 ppm.

8 Applicable to fourth-generation HP Latex Inks. UL ECOLOGO® Certification to UL 2801 demonstrates that an ink meets a range of multi-attribute, lifecycle-based criteria related to human health and environmental considerations (see ul.com/EL).

9 Applicable to HP Latex Inks. UL GREENGUARD Gold Certification to UL 2818 demonstrates that products are certified to UL’s GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org. HP Latex is rated as unrestricted room size—full decorated room, 33.4 m² (360 ft²) in an office environment, 94.6 m² (1,018 ft²) in a classroom environment.

10 Fourth-generation HP Latex inks have been tested and demonstrated compliance to the following toy safety methods and protocols: EN 71-3, EN 71-9, ASTM F963-17, US 16 CFR 1303, US 16 CFR 1307, SOR 2011-17, and SOR 2018-83. HP does not recommend using the ink for toys intended to target children under the age of 3 years.

11 The latex polymer in HP Latex Inks is not related to natural or synthetic latex, so it does not cause a latex-related allergic reaction.

12 Applicable to select HP large format printing materials. CE mark EN 15102 is an obligatory product mark for the European Market. The CE marking is intended to facilitate the free movement of goods within the European Economic Area. CE marking to wallcoverings indicates the products comply with not only Construction Products Regulation CPR 305/2011/EU, but also an essential requirement of Harmonized Standard EN 15102.

13 Émissions dans l’air intérieur. Mandatory labeling for decoration products in France. Provides a statement on the level of emission of volatile substances in indoor air posing health risks if inhaled—on a scale from A+ (very low emission) to C (high emission). HP Durable Suede Wall Paper printed with HP Latex Inks was tested by a third-party lab according to the decree no. 2011-321 of March 23, 2011 (VOC regulation) and executive decisions of May 28, 2009 and April 30, 2009 (CMR regulation) of the French Ministry of Ecology, Sustainable Development, Transport, and Housing and was rated A+. See anses.fr/en/content/labelling-building-and-decoration-products-respect-voc-emissions.

14 AgBB criteria. HP PVC-free Durable Suede Wall Paper printed with HP Latex Inks was tested based on the test criteria of the Scheme Health-related Evaluation of Emissions of Volatile Organic Compounds (VVO, VOC, and SVOC) from Building Products of the Committee for Health-related Evaluation of Building Products (AgBB 2018) and meets the requirements therein. See umweltbundesamt.de/sites/default/files/medien/355/dokumente/agbb_evaluation_scheme_2018.pdf.

15 To obtain US LEED credits based on FSC® certification, the builder must purchase HP PVC-free Durable Smooth Wall Paper printed with HP Latex Inks from an FSC Chain of Custody certified print service provider. To obtain LEED credits based on UL GREENGUARD Gold Certification, HP PVC-free Durable Smooth Wall Paper printed with HP Latex Inks must be part of a wall system in which all components are UL GREENGUARD Gold Certified.

16 Program for HP Latex Printing Technology users provides convenient web-based training to help print service providers gain knowledge and provide value to the growing number of clients looking for graphics solutions with reduced environmental impact. See hplatexknowledgecenter.com/blog/hp-ecosolutions-training.

17 Applicable to HP 832 ink cartridges, CO₂e reduction based on moving from plastic ink cartridge to cardboard HP Eco-Carton ink cartridge, with annual manufacturing savings of 291 tons and transport savings of 8 tons. Equivalent to 1,194,028 km (741,935 miles) driven by an average passenger vehicle or over 38 million smartphones charged. See epa.gov/energy/greenhouse-gas-equivalencies-calculator. HP Eco-Carton outer carton is 100% recyclable through local cardboard/paper programs. Inner materials including the ink bag are 55% recyclable and can be returned free of charge to the HP Planet Partners program for zero landfill. For take-back of ink bag/printhead/prints, visit <http://www.hp.com/recycle> to see how to participate and for HP Planet Partners program availability; program may not be available in your jurisdiction.

18 HP applications experts have evaluated based on internal criteria the catalog of media listed in the HP Media Locator based on internal criteria to identify those that provide alternative solutions with certain environmental benefits compared to the typical media within the same application type. The information in media locator is provided by the Media substrate Vendors. HP is not responsible for the veracity of the information from third-party companies published on HP website. See printos.com/ml/#/medialocator

19 The L700/800 printer total plastic weight uses 10 kg (22 lbs) or 20% recycled plastics recovered from post-consumer electronics, closed loop from HP Planet Partners, soda bottles, and UL Validated ocean bound resins. HP received the first recycled content validation for Ocean-Bound Plastics from UL under the UL 2809 Environmental Claim Validation Procedure, see ul.com/news/hp-receives-first-recycled-content-validation-ocean-bound-plastics-ul.

20 HP Latex printers contain over 96% recyclable materials and less than 0.1% landfill by product weight according to criteria set by the European Community Directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

21 Visit hp.com/go/recycle to see how to participate and for HP Planet Partners program availability; program may not be available in your area. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal. Best in industry - Majority of OEM ink & laser printer supply recycling programs. Criteria: size, reach, recycled content use, upcycling & eco award/ranking. HP-commissioned Aug 2020 InfoTrends report. Market share: IDC Q2’20 Hardcopy Peripheral Tracker. Program availability varies. See hp.com/go/recycle and keypointintelligence.com/HPPlanetPartners

22 With the HP 832 and 873 ink supplies, up to 50% and 65%, respectively, of the weight of the used ink cartridge is a cardboard carton that can be recycled through local municipalities. See hp.com/go/recycle for details.

23 Visit hp.com/recycle to see how to participate; take-back program may not be available in your jurisdiction. Where this program is not available, and for other consumables not included in the program, consult your local waste authorities on appropriate disposal. Use this guide to help determine the end of life management of prints using HP Latex Inks, see hplatexknowledgecenter.com/blog/preview/recycling-hp-latex-prints-end-of-life-management-statement

24 HP Latex Ink is PVC-free. For HP PVC-free wall papers, chemical analysis demonstrated elemental chlorine to be at or below 200 ppm. Presence of chlorine is attributed to residual chlorine used in paper-making process, and not due to the presence of PVC.

25 Applicable to select HP large format printing materials. 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. For information about HP large format printing materials, please visit HPLFMedia.com.

26 Restriction of Hazardous Substances (RoHS) also known as Directive 2011/65/EU, otherwise known as EU RoHS 2, as amended by Directive 2015/863/EU and RoHS legislation in other jurisdictions, originated in the European Union and restricts the use of specific hazardous materials found in electrical and electronic products (known as EEE). All applicable products in the EU market must pass RoHS compliance. See HP’s Compliance with Restriction of Hazardous Substances (RoHS) Legislation in the EU and other jurisdictions. See <https://h20195.www2.hp.com/V2/GetDocument.aspx?docname=c04935876>

27 Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) is a regulation of the European Union, adopted to improve the protection of human health and the environment from risks that can be posed by chemicals. Select HP large format printing materials are REACH compliant. As required by REACH, HP makes a declaration regarding substances in HP large format printing materials listed as Substances of Very High Concern (SVHC) in concentrations exceeding 0.1%. To determine the status of SVHC in HP products, see the HP REACH Article 33 Declaration published at hp.com/hpinfo/globalcitizenship/environment/productdata/reachall-products.html.

28 Applicable to select HP Latex printers. ENERGY STAR and the ENERGY STAR mark are registered trademarks owned by the U.S Environmental Protection Agency. See energystar.gov for certification status by country.

29 Applicable to select HP Latex printers. EPEAT registered where applicable/supported. See epeat.net for registration status by country.

30 Print shops/print service providers must seek environmental labels and certificates directly with certifying bodies. HP does not imply or grant environmental labels or certificates to print shops/print service providers nor does it support individual customer processing of such certifications.

31 HP is recognized as a leader in environmental sustainability and social impact. 2020 Global 100 Most Sustainable Corporations in the World. Annual listing compiled by Corporate Knights, a Canadian-based media and research company. See hp.com/v2/GetDocument.aspx?docname=c06009298.

32 In 1992, HP adopted a pioneering company-wide Design for the Environment program that considers environmental impact in the design of every product and solution, from the small ink cartridges to large scale industrial presses. For more information about HP's social and environmental responsibility programs, see hp.com.

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