



Progressive Profitable Printing

How the HP SCITEX LX600 and LX800 PRINTERS can HELP YOU to **go green**



The HP Scitex LX600 and LX800 Printer solutions using water-based HP Latex Inks offer you an improved printing environment, odorless prints,¹ which in some cases are approved according to health-related environmental criteria,² and a range of HP recyclable media³ that can even be sent back for recycling—at our expense.

Eye-catching and durable prints

The HP Scitex LX600 and LX800 Printers with HP Latex Inks can produce signs and graphics on a wide range of flexible media for a diverse range of outdoor and indoor applications. The outstanding image quality of up to 1200 dpi and wide color gamut help to create eye-catching graphics with rich hues and vibrant tones. Outdoor prints achieve display permanence comparable to low-solvent inks.⁴

Designed with the environment in mind

Designed under the HP Eco Solutions program, the HP Scitex LX600 and LX800 Printers have benefited from our global network of environmental product stewards working with design and development teams to incorporate environmental innovations across the total printing system of printer, inks, and media and across all stages of the product's life – from design and manufacture to take-back and recycling.

As a result of these efforts, these printers can help lower the impact of printing on the environment and can offer a distinctive range of environmentally related benefits to both sign and display print service providers (PSPs) and their print buying customers.

Odor-free prints¹ are perfect for home, office, even restaurant decoration

HP Latex Inks make it possible to create wall decoration for all types of interiors, even in environments where distracting display odor can be a concern.

Prints produced with HP Latex Inks on HP PVC-free Wall Paper offer odorless¹ indoor wall decorations that meet GREENGUARD criteria for low emitting products⁵ and AgBB criteria for health-related evaluation of VOC emissions of indoor building products.⁶

With the Oeko-Tex® label, HP Heavy Textile Banner, HP Light Textile Display Banner, and HP Wrinkle-free Flag, all for indoor display, offer reassurance that emission levels for these materials meet the criteria for Oeko-Tex® labeled products—products tested and certified from a human health perspective.⁷

An improved printing environment

Water-based HP Latex Inks require no special ventilation⁸. The inks also do not require hazard warning labels and are non-flammable and non-combustible,⁹ all of which may help to reduce storage, handling, and waste disposal challenges. Furthermore, the inks contain no Hazardous Air Pollutants (HAPs).¹⁰ All of this can help to create a better working environment for printing operations employees.

HP Latex Inks meet the chemical requirements of the Nordic Ecolabel (Nordic Swan) specification for printing companies.

"For us the combination of Latex printing, the recyclable media and the take-back program isn't just about us demonstrating leadership to our customers or simply about offering them the choice of a greener signage solution. This is one of those rare instances where we can do the right thing and generate more business at the same time. This solution is going to appeal to quite a number of our local authority clients and other customers, and we anticipate winning more custom with them as a result."

Darren Marsh,
Managing Director,
OTW, Norwich, UK



Energy efficient printing system

With HP Latex Inks, no special ventilation⁸ or external dryer is required for productive operation, helping to keep energy costs down.

Recyclable consumables and hardware

Approximately 70% of the weight of the used ink cartridge is a recyclable cardboard container,¹¹ and printheads can be returned to HP for free and convenient recycling through the HP Planet Partners program.¹² Even the printer itself is 85% recyclable by weight.¹³

HP recyclable media and take-back program³

A range of HP printing materials are available to complement the HP LX600 and HP LX800 Printers, seven of which are recyclable.³

Two paper-based media are recyclable through commonly available recycling programs. HP also offers the HP Large-format Media take-back program³ for the benefit of PSPs and their customers using the other five HP recyclable media, which are included in the program. Please visit www.hp.com/recycle for program availability and details on how to participate.

<p>HP Photo-realistic Poster Paper</p> <p>HP White Satin Poster Paper</p>	<p>Recyclable through commonly available recycling programs</p>
<p>HP HPDE Reinforced Banner</p> <p>HP DuPont™ Tyvek® Banner</p> <p>HP Heavy Textile Banner</p> <p>HP Wrinkle-free Flag with liner</p> <p>HP Light Textile Display Banner</p>	<p>Can be returned for free and convenient recycling via the HP Large-format Media take-back program³</p>

All of these HP recyclable media are effective alternatives to PVC-based media for some applications. In particular, HP HDPE Reinforced Banner is a 100% recyclable, 100% alternative to PVC scrim banner material. Designed to withstand harsh weather conditions without fading and losing vibrancy, this material offers the performance and strength of 13-ounce PVC scrim¹⁴ in a 5.5-ounce banner material. By using less material, you can reduce the carbon footprint of your banner printing material by up to two-thirds.¹⁵

- Some substrates may have inherent odor.
- HP PVC-free Wall Paper printed using HP Latex Inks is listed in the GREENGUARD product listing for low emitting products. HP Latex Ink prints on HP PVC-free Wall Paper meet AgBB criteria for health-related evaluation of volatile organic compound (VOC) emissions of indoor building products. In addition, HP Latex Inks comply with lead [and phthalate] limits established by the U.S. Consumer Product Safety Improvement Act (CPSIA) of 2008.
- HP offers the HP Large-format Media take-back program in the U.S., Europe, and Canada (as of June 1, 2010) through which most HP recyclable signage media can be returned, availability varies. Some recyclable papers can be recycled through commonly available recycling programs. For details visit www.hp.com/recycle. Aside from this program, recycling opportunities for these products are currently only available in limited areas. Customers should consult local recycling resources for recycling these products.
- HP image permanence and scratch, smudge, and water resistance estimates by HP Image Permanence Lab. Outdoor display permanence tested according to SAE J2527 using HP Latex and low-solvent 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. Scratch, smudge, and water resistance tested using HP Latex and low-solvent inks on a wide range of HP media; water resistance is comparable when printed on water-resistant substrates. Laminated display permanence using Neschen Solvoprint Performance Clear 80 laminate. Results may vary based on specific media performance and scratch testing methodology. For more information, see www.hp.com/go/supplies/printpermanence.
- HP PVC-free Wall Paper printed using HP Latex Inks is listed in the GREENGUARD product listing for low emitting products and is tested to the GREENGUARD standards. This print is not GREENGUARD Certified. The GREENGUARD Environmental Institute is an American National Standards Institute (ANSI) authorized standards developer that establishes acceptable indoor air standards for indoor products, environments, and buildings. See www.greenguard.org.
- The Committee for Health-related Evaluation of Building Products, AgBB, establishes the fundamentals for a uniform and reproducible health-related evaluation of building products in Germany, including criteria for testing and an evaluation scheme for health-related evaluation of VOC emissions from building products used for application indoors.
- Unprinted HP Heavy Textile Banner, HP Light Textile Display Banner, and HP Wrinkle-free Flag with Liner are Oeko-Tex® certified according to Oeko-Tex® Standard 100, which is a globally uniform testing and certification system for textile raw materials, intermediate, and end products at all stages of production. Tested for emissions of chemicals such as pesticides, allergy-inducing dyestuffs, or tin-organic compounds.
- Special ventilation is not required to meet US OSHA requirements on occupational exposure to VOCs from HP Latex Inks. Special ventilation equipment installation is at the discretion of the customer—no specific HP recommendation is intended. Customers should consult state and local requirements and regulations.
- HP water-based Latex Inks are not classified as flammable or combustible liquids under the USDOT or international transportation regulations. These materials have been tested per the Pensky-Martins Closed Cup method and the flash point is greater than 110° C.
- HP Latex Inks were tested for Hazardous Air Pollutants per U.S. Environmental Protection Agency Method 311 (testing conducted in 2008) and none were detected. HAPs are air pollutants which are not covered by ambient air quality standards but which, as defined in the Clean Air Act, may present a threat of adverse human health effects or adverse environmental effects.
- Consult with your local authority to determine the appropriate method of waste disposal for the non-hazardous ink bag, aerosol filters, and wet wipe.
- In the circa 50 countries and territories in which the HP Planet Partners program operates. Program features and availability varies. Where this program is not available, and for other consumables not included in the program, consult the Material Safety Data Sheet (MSDS) available at www.hp.com/go/ecodata to determine appropriate disposal.
- While much of the printer is recyclable, it does generate some non-hazardous waste that cannot be recycled. Guidelines are available online.
- PVC scrim refers to poly(vinyl chloride) (PVC) substrates.
- Calculation by the HP IPG Environmental Technology Platform Team (and confirmed by an independent environmental life cycle assessment firm), based on the activities associated with the manufacturing of the product, and comparing 180 g/m² (5.5-ounce) HP HDPE Reinforced Banner to 440 g/m² (13-ounce) HP Outdoor Frontlit Scrim Banner using the Swiss Center for Life Cycle Inventories Ecoinvent 2.0 database and model IPCC 2007 version 1.01; primarily for the category of PVC/PET/HDPE, and measuring materials extraction, transportation to the manufacturing site, and greenhouse gas emissions generated during manufacturing.

For more information please visit www.hp.com/ecosolutions

