PROGRESSIVE
PROFITABLE
PRINTING

HOW THE HP DESIGNJET L SERIES LATEX PRINTERS CAN HELP YOU TO **GO GREEN**

HP Latex Inks won the 2010 BERTL'S BEST award for innovation in environmentally friendly ink technology.

The environmentally related benefits of the HP Designjet L series printers with water-based HP Latex Inks include an improved printing environment, odorless prints,[1] and a range of recyclable printing materials[2] that can even be sent back to HP for recycling—at our expense.

"We are getting increased pressure from our customers to be a more environmentally friendly and the HP Latex inks help us do that. They are water based and they help us get into places that in the past we might not have been able to get into; places where food was served or maybe a hospitals"

Drue Townsend
Sr. VP of Marketing
FASTSIGNS International, Inc.

Eye-catching and durable prints[3]

The HP Designjet L series printers with HP Latex Inks can produce wide format graphics on a broad range of flexible media for a wide variety 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. The prints also provide display permanence of up to 3 years outdoors without lamination—comparable to eco-solvent inks.[3]

Designed with the environment in mind

The HP Designjet L series printers have benefited from our global network of environmental product stewards working with design and development teams to incorporate environmental innovations.

Chief amongst these is revolutionary HP Latex Ink.

As a result of these efforts, the HP Designjet L series printers can help lower the impact of printing on the environment and it offers a distinctive range of environmentally related benefits to both wide format graphics print service providers (PSPs) and their print buying customers.

Inks with a better environmental profile

Water-based HP Latex Inks need no special ventilation.[4] They also require no hazard warning labels and are non-flammable and non-combustible,[5] all of which may help to reduce storage, handling, and waste disposal challenges. HAPs). All of this can help to create a better working environment for printing operations employees.

Furthermore, the inks contain no Hazardous Air Pollutants (HAPs).[6]

HP Latex Inks meet the chemical requirements of the Nordic Ecolabel (Nordic Swan) for printing companies. And HP 789 and HP 792 Latex Designjet Ink Cartridges are Eco Mark Certified.[7] Eco Mark-certified products, as compared to similar products, demonstrate relatively few environmental impacts through the entire life cycle from production to disposal.

Recyclable consumables and hardware

Original HP 789 and HP 792 Ink Cartridges, Printheads, and now the cleaning supplies, including the Printhead Cleaning Kit and Printhead Cleaning Container, can be returned through the HP Planet Partners program, a free and convenient return and recycling program.[8] Even the printer itself is 85% recyclable by weight.

Energy efficient

The HP Designjet L25500 and L26500 Printers are ENERGY STAR® qualified, which means that they meet strict energy efficiency guidelines without sacrificing performance—or your productivity. They also do not require external dryers for productive operation. These factors help to keep overall energy costs down.

Odorless prints[1]

Graphics printed with HP Latex Inks are odorless.[1] At least they have no odor beyond whatever faint smell is inherent to the substrate. This can give PSPs a competitive edge for graphics that will be used in food stores, restaurants, fitness centers, medical facilities, or anywhere else where print odors might be a concern.

With HP printing materials, approved according to health-related environmental criteria, PSPs can offer customers reassurance. Prints produced with HP Latex Inks on HP PVC-free Wall Paper provide odorless indoor wall decorations that are GREENGUARD Children & Schools Certified℠ and meet AgBB criteria.[9] This wall paper is also FSC® certified, supporting the development of responsible forest management worldwide. And it contains 10% recycled content from post-consumer waste.

And with the Oeko-Tex® label, unprinted HP Heavy Textile Banner and HP Light Textile Display Banner for indoor display, offer reassurance that emission levels and harmful chemical residues meet the criteria for Oeko-Tex® labeled products—products tested and certified from a human health perspective.[10]

HP recyclable media and take-back program[2]

A range of paper-based media are recyclable through commonly available recycling programs. HP also offers the HP Large-format Media take-back program[2] for the benefit of PSPs and the 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.

All of these HP recyclable media are effective alternatives to PVC-based media for some applications. In particular, HP HDPE Reinforced Banner and HP Double-sided HDPE Reinforced Banner are 100% recyclable, 100% alternatives to PVC scrim banner material. Designed to withstand harsh weather conditions without fading and losing vibrancy, these materials offer the performance and strength of 440 g/m² (13-ounce) PVC scrim in materials with less than half the weight. By using less material, you can reduce the carbon footprint of your banner printing material by over 80%.[12]

Recyclable through commonly available recycling programs		**Can be returned for free and convenient recycling via the HP Large-format Media take-back program[2]**	
HP Photo-realistic Poster Paper	HP Universal Coated Paper[1]	HP HDPE Reinforced Banner	HP Light Textile Display Banner
HP White Satin Poster Paper	HP Heavyweight Coated Paper[1]	HP Double-sided HDPE Reinforced Banner	HP Backlit Polyester Film
HP Coated Paper[1]	HP Universal Bond Paper[1]	HP DuPont™ Tyvek® Banner	HP Everyday Matte Polypropylene[1]
HP Universal Heavyweight Coated Paper[1]	HP Super Heavyweight Plus Matte Paper[1]	HP Heavy Textile Banner	

Part of the HP commitment to environmental leadership

The HP Designjet series printers are part of the HP commitment to help our PSP customers reduce the environmental impact of their printing, while improving their profitability. We believe that, if the HP Designjet series printers are used in the context of a proper strategy for sustainability, it may help PSPs grow their revenues, lower their environmentally related costs, and improve the printing environment for their employees.

Eco Mark Certification Number 11142004

ENERGY STAR

Children & Schools GREENGUARD® Indoor Air Quality Certified

FSC www.fsc.org FSC® C017543 The mark of responsible forestry

CONFIDENCE IN TEXTILES Tested for harmful substances according to Oeko-Tex® Standard 100 10.HUS.76357 Hohenstein

SGP HP supports the Sustainable Green Printing Partnership. See **www.sgppartnership.org**

(1 Some substrates may have inherent odor.

(2 HP Large-format Media take-back program availability varies. Some recyclable HP papers can be recycled through commonly available recycling programs. Recycling programs may not exist in your area. See **www.hp.com/recycle** for details.

(3 HP image permanence and scratch, smudge, and water resistance estimates by HP Image Permanence Lab on a range of media including HP printing materials. See **www.hp.com/go/supplies/printpermanence**.

(4 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.

(5 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 deg C.

(6 The inks were tested for Hazardous Air Pollutants per U.S. Environmental Protection Agency Method 311 (testing conducted in 2010) 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.

(7 HP 792 Latex Designjet Ink Cartridges, certification number 11 142 004 and HP 789 Latex Designjet Ink Cartridges, certification number 11 142 003, by the Eco Mark Office of Japan Environment Association.

(8 Visit **www.hp.com/recycle** to see how to participate and for HP Planet Partners program availability; program may not be available in your area.

(9 HP PVC-free Wall Paper printed using HP Latex Inks is GREENGUARD Children & Schools CertifiedSM (see **www.greenguard.org**) and meets AgBB criteria for health-related evaluation of VOC emissions of indoor building products (see **www.umweltbundesamt.de/produkte-e/bauprodukte/agbb.htm**).

(10 Unprinted HP Heavy Textile Banner and HP Light Textile Display Banner are 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 volatile organic compounds and residues of harmful chemicals such as pesticides, allergy-inducing dyestuffs, or tin-organic compounds.

(11 Requires purchase of 2-inch spindle for compatibility with the HP Designjet L25500 and L26500 Printer series.

(12 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 170 g/m² (5.0 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 1.02; primarily for the category of PVC/PET/HDPE, and measuring materials extraction, transportation to the manufacturing site, and greenhouse gas emissions generated during manufacturing.

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