



Progressive Profitable Printing



How the

HP DESIGNJET L25500 *printer series*

can help you to **go green**

The environmentally related benefits of the HP Designjet L25500 Printer series with water-based HP Latex Inks include an improved printing environment, odorless prints¹, and a range of recyclable media² that can even be sent back to HP for recycling—at our expense.

Eye-catching and durable prints³

The HP Designjet L25500 Printer series 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. The prints also have a durability and display permanence of up to 3 years outdoors without lamination—comparable to eco-solvent inks³.

Designed with the environment in mind

Designed under the HP Eco Solutions program, the HP Designjet L25500 Printer series has 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 L25500 Printer series can help lower the impact of printing on the environment and it offers a distinctive range of environmentally related benefits to both sign and graphics print service providers (PSPs) and their print buying customers.

“We’re able to offer our clients a complete solution. We’re providing them with clean water-based Latex ink solutions and media solutions as well as the HP Planet Partners program which kind of makes it ‘full circle’.”

Kyle Morrison,
Owner, Project Ink,
Los Angeles, USA



An improved printing environment

Water-based HP Latex Inks need no special ventilation⁴. They also require no hazard warning labels and are non-flammable and non-combustible⁵, all of which may help to reduce storage, handling, and waste disposal challenges.

Furthermore, the inks contain no Hazardous Air Pollutants (HAPs)⁶. 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) for printing companies.

Odorless prints¹

Graphics printed with HP Latex Inks are odorless¹. 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 meet the GREENGUARD Children & Schools standard for low emitting products⁷ and AgBB criteria for health-related evaluation of VOC emissions of indoor building products.⁸

And 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.⁹



Energy efficient

Printers in the HP Designjet L25500 Printer series 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.

Recyclable consumables and hardware

Original HP 789 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 program¹⁰. Even the printer itself is 85% recyclable by weight.

HP recyclable media and take-back program²

- HP Photo-realistic Poster Paper
- HP White Satin Poster Paper

Recyclable through commonly available recycling programs

- HP HDPE Reinforced Banner
- HP DuPont™ Tyvek[®] Banner
- HP Heavy Textile Banner
- HP Wrinkle-free Flag with liner
- HP Light Textile Display Banner

Can be returned for free and convenient recycling via the HP Large-format Media take-back program¹²

Two paper-based media are recyclable through commonly available recycling programs. HP also offers the HP Large-format Media take-back program² 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 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 scrim¹¹ 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.¹²

Part of the HP commitment to environmental leadership

The HP Designjet L25500 Printer series is 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 L25500 Printer series is 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.

(1) Some substrates may have inherent odor.

(2) HP offers the HP Large-format Media take-back program in North America and Europe, 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.

(3) 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 eco-solvent ink 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 eco-solvent inks on a wide range of media, including HP media; water resistance is comparable when printed on water-resistant substrates. Laminated display permanence using GBC clear gloss 1.7 mil hot laminate. Results may vary based on specific media performance and scratch testing methodology. For more information, 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 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.

(7) 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 Children & Schools standard. The print is neither GREENGUARD nor GREENGUARD Children & Schools 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.

(8) 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 volatile organic compound (VOC) emissions from building products used for application indoors.

(9) 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.

(10) In the circa 50 countries and territories in which the HP Planet Partners program operates for printing supplies. 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.

(11) PVC scrim refers to polyvinyl chloride (PVC) substrates.

(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 180g/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

