



# HP Scitex inks

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## Overview

HP Scitex inks are formulated and manufactured by HP to work together with HP Scitex large-format printers. Designing and developing the printhead, ink, and printer together creates high-performing, dependable printing systems — just what users need to achieve great results.

The HP Scitex inks offering includes latex, solvent, UV-curable and water-based inks, all available in a variety of formulations. Used with HP Scitex printers, the inks produce dry, ready-to-use, durable images with a large color gamut on a wide variety of rigid and flexible substrates. The inks are designed for specific HP Scitex printing systems, ensuring accurate color reproduction and compatibility.

## HP Latex Inks

HP Latex Inks are designed to enable high-productivity, low-maintenance printing of a broad range of outdoor and indoor applications across both coated and uncoated media. Designed to reduce the impact of printing on the environment, water-based HP Latex Inks, offer the performance and durability of low-solvent inks.<sup>[1]</sup> However, HP Latex Inks have no hazard warning labels, no HAPs,<sup>[2]</sup> and are non-flammable and non-combustible.<sup>[3]</sup> No special ventilation is required.<sup>[4]</sup>

Odorless prints<sup>[5]</sup> are ideal for sensitive display areas. HP Latex Ink prints on HP PVC-free Wall Paper produce odorless indoor wall decorations that meet the GREENGUARD Children & Schools standard for low emitting products<sup>[6]</sup> and AgBB criteria for health-related evaluation of VOC emissions of indoor building products.<sup>[7]</sup> Prints produced on HP recyclable media can be returned through the free, convenient HP Large-format Media take-back program,<sup>[8]</sup> providing a compelling alternative for environmentally conscious customers.

## Solvent inks

Most solvent ink series offer a choice of 'Classic' and 'Supreme' grades, which are not simply 'Economy' and 'Premium' versions, but are formulated to meet specific application requirements.

•'Classic' is the most cost-effective ink series and is designed for outdoor durability for up to one year, making it attractive for shorter-life applications.

•'Supreme' series inks offer a longer outdoor durability of up to two years, and other benefits that make them the preferred option for their target applications.

Designed together with HP Scitex solvent inks, the HP printing materials portfolio offers a full vehicle wrap solution. HP is the only company that offers and warrants the entire printing system.<sup>[9]</sup> The HP solution includes HP Air Release Adhesive Gloss Cast Vinyl as well as the HP Clear Gloss Cast Overlaminates. The HP Performance Warranty covers image performance, durability, and clean removal up to five years.<sup>[10]</sup>

## Specialty inks

HP Scitex offers a range of specialty inks that were formulated for special applications and/or that use special technologies. Specialty inks include:

- UV-curable HP XP231 Specialty Billboard Scitex ink, which enables high-speed and high-yield billboard printing using the HP Scitex XP5300/XP2300 Printer.
- Solvent-based HP DS100 Specialty Textile Scitex dye sublimation ink, which was formulated for printing on fabrics using the HP Scitex XL1500 DS printer (with the dye sublimation upgrade).

## UV-curable inks

HP Scitex UV-curable inks deliver high image quality while enabling printing practices with reduced environmental impact. Designed for different HP flatbed, hybrid, roll-to-roll and roll-to-sheet printers, they are offered in 4-, 6- and 8- color configurations, feature an extensive color gamut, and provide excellent adhesion to a wide variety of media, with high durability and optimized outdoor fade and abrasion resistance.

The HP range of UV-curable inks includes HP FB210 White Scitex Ink, an acrylate-based ink used by the HP Scitex FB6100 Printer. This white ink prints white data on non-white substrates to create a high-quality white background on opaque and clear substrates. The ink was formulated to ensure superb adhesion to a variety of plastics and other smooth materials.

Choose from a wide range HP printing materials designed together with HP Scitex UV-curable inks. The portfolio includes both outdoor and indoor substrates and ranges from low-cost, uncoated media to a selection of banner, self-adhesive, film, fabric, paper, and specialty options.

## Strict quality-control standards

Most HP Scitex inks are produced by HP in our own state-of-the-art factories to strict



## More information

### Introduction

- » The value of HP Scitex inks (144KB PDF)
- » White paper - HP Scitex UV Curable Inks(400KB PDF)
- » HP Scitex guide for supplies, solutions and services (PDF, EN only)

### Additional information

#### Warranty information

- » HP Scitex ink durability statement
- » HP Scitex UV-curable inks durability statement
- » 3M MCS Warranty for TJ8300 (194KB ZIP)
- » 3M Performance Warranty
- » Avery Warranty EUROPE (241KB ZIP)
- » Avery Warranty US (1,119KB ZIP)

#### Ink glossary

- » HP TJ200 Scitex Ink flyer
- » HP TJ200 Scitex Ink Q&A
- » HP XL400 Supreme Scitex inks data sheet
- » HP XP222 Scitex Ink
- » HP XP222 Scitex Ink Q&A
- » HP TJ210 ink flyer

#### HP Scitex XL400 Customers' Success Stories

- » New HP Scitex XL400 Supreme inks boost quality and reduce waste at GP Color (118KB PDF)
- » Image Transform boosts productivity and cuts waste with new HP Scitex XL400 Supreme inks (142KB PDF)
- » PPP sees margins grow thanks to new HP Scitex XL400 Supreme inks (102KB PDF) (102KB PDF)

- » Original HP inks
- » Original HP printing materials

quality-control standards. Each batch is tested and certified to meet an array of rigorous physical, chemical, and colorimetric specifications. Because the properties of ink can affect everything in the printing system — and hence productivity and output quality — every change in HP Scitex ink formulations undergoes exhaustive testing both in the laboratory and in production environments. This investment in quality control means that every liter of HP Scitex inks is optimized to perform to HP's exacting standards.

- Our ink manufacturing process includes more than 20 quality parameters, including color space, color strength, gloss, transparency, scratch resistance, durability, flexibility, adhesion, environmental legislation, shelf life, light fastness, abrasion resistance, viscosity, sensitivity to temperature, printer drying capacity, print speed, dot size, surface tension, particle size and more.
- As part of HP's long-term quality commitment, one liter of every batch of HP Scitex ink manufactured is kept for monitoring purposes.
- HP always keeps a two month stock of ink close to the customer, ensuring timely delivery.
- Plants that produce HP Scitex inks are ISO 9001 certified.

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[1] 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](http://www.hp.com/go/supplies/printpermanence).

[2] 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.

[3] 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.

[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] Printers using HP Latex Inks use internal heaters to dry and cure the latex polymer film. Some substrates may have inherent odor.

[6] 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](http://www.greenguard.org).

[7] 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.

[8] 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](http://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.

[9] The HP printer is subject to the HP hardware warranty.

[10] Some warranty limitations apply. See the HP Product and Performance Warranty for HP Air Release Adhesive Gloss Cast Vinyl at [www.hp.com/go/HPMediaWarranties](http://www.hp.com/go/HPMediaWarranties).