

Brochure



# Original HP large format printing materials

For graphics & technical applications



# HP large format printing materials

Consistently outstanding image quality – that’s what you see with HP large format printing materials. And with so many options in finish, size, and style, it’s easy to find the ideal paper for almost any printing application.

Original HP printing materials are designed to work with the complete system – together with HP printing supplies and the HP DesignJet printer – to provide uncompromising quality, consistency, performance, durability, and value every time.

Ongoing HP innovation includes printing materials with ColorPRO Technology that perform to a strict set of specifications to meet industry-leading performance standards. All products with ColorPRO Technology utilize advanced technologies which have been designed together with Original HP inks and HP printers to optimize printing system performance.

Explore the wide range of different types of printing materials, specifically designed to meet the demands of graphics and technical professionals.

**COLORPRO**  
TECHNOLOGY

## Original HP inks and HP printing materials—good chemistry

Original HP inks and HP printing materials are designed together to provide image quality, durability, and consistency you can rely on. Reliable results enable increased productivity and reduced costs.

Original HP inks are more than just ink, and HP large format printing materials are far more than just paper. It’s the chemical makeup of each, together with the carefully engineered interaction between the two, that make exceptional results possible. Image quality and consistency so predictable, it’s almost cliché. Print permanence that’s measured in generations, not months or years. Breakthrough innovations that give you real alternatives to traditional materials that, by nature, must trade off quality, durability, even environmental considerations. The unique chemistry between HP inks and HP large format printing materials changes all that – among the broad array of materials offered in the HP large format printing materials portfolio, you can have it all.





## Science & technology

### HP Thermal Inkjet technology

Inkjet is a digital printing technology that uses small drops of ink to form an image on a printed media. Drop-on-demand is one type of inkjet technology and it comes in two forms: Piezoelectric and Thermal. Piezoelectric inkjet technology uses mechanical means to eject ink. Thermal Inkjet technology uses heat to vaporize a thin layer of ink to form a bubble that expels a small drop of ink through an orifice or nozzle. These nozzles form part of a customer-replaceable printhead, which receives ink from ink cartridges via ink tubes.

In 1984, HP introduced the first inkjet printer, the 'Thinkjet.' This technology, initially introduced with small-format printers, was quickly adopted for the HP DesignJet large format line of printers.

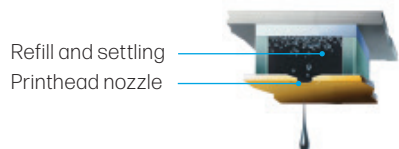
#### *Firing a nozzle with HP Thermal Inkjet technology*



A quick energy pulse is delivered to the resistor causing it to heat up. Then, bubble nucleation starts in the layer of ink next to the resistor.



The ink vapor bubble rapidly grows, forcing the ink meniscus to expand and it begins to form into a drop at the nozzle.



When the ink drop ejects, the ink vapor bubble collapses and ink flows into the firing chamber, refilling it.

**HP Thermal Inkjet inks**

Traditional water-based inks (dye- or pigment-based) use water as the primary ink vehicle.

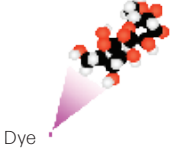

*Dye-based inks*

These inks contain colorant that provides extremely vivid colors, and are compatible with all inkjet coatings.

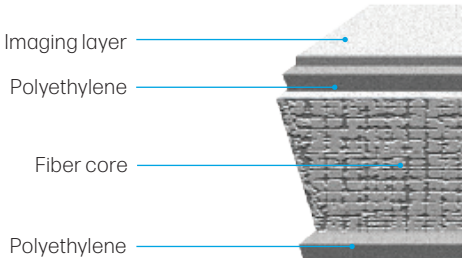
*Pigment-based inks*

Pigment-based inks contain finely ground pieces of a colored material. Due to their larger size, they are much more fade resistant than dye-based inks.

**Traditional water-based inks**

	Dye-based inks	Pigment-based inks
		
<b>Size</b>	<10 nanometers	20-200 nanometers
<b>Physical state</b>	Dissolved in water	Dispersed in water
<b>HP DesignJet printers</b>	T series (colored inks)	T series (black ink only) Z series

Cross section of an HP photo paper



**Inkjet receptive coatings**

HP develops inkjet receptive coatings for print media such as paper, photo papers, films, and canvas. HP coatings are designed together with HP inks and printers in order to achieve optimum image quality and durability. The components of these coatings are determined by the properties of the media, the customer’s workflow, and the large format printer.

Currently, HP offers more than 30 different types of large format printing materials, most of which are coated materials. The coating can be of a porous nature (typically used in matte fiber-based papers) or it can be swellable (used in traditional inkjet photo papers and films). Each coating formulation may have up to 15 ingredients. HP may develop up to 100 different formulations before the final definitive one is chosen.

**Photo papers**

A traditional photo paper is made of several layers, including the paper base (fiber core), a top and bottom extruded polyethylene layer, and a light-sensitive coating. Photo papers used in inkjet printers have a similar structure, but the light-sensitive coating is replaced by a transparent coating capable of absorbing the water-based inks: the imaging layer. These coatings can be of a swellable or nano-porous nature.



### Swellable coatings, optimized for Original HP dye-based inks

The swellable coating inflates (swells) as the ink is absorbed, then shrinks as water evaporates. This drying process may take some time and the dye is trapped inside the coating. Swellable coatings are only compatible with dye-based inks and they offer excellent fade resistance when designed together with dye-based inks.

#### Advantages:

- Permanence (dyes are protected inside polymers)
- Image quality
- Gloss uniformity

#### Limitations:

- Dry time
- Water resistance
- Pigment compatibility

Swellable coatings subject the dye to light fade



### Porous coatings, optimized for Original HP pigment-based inks

Also known as porous or instant-dry, these coatings consist of microscopic particles that are bonded together. These particles form an open, porous structure. The ink is drawn into these open spaces by the capillary action of the coating which occurs during the printing process. These coatings are compatible with both dye- and pigment-based inks. However, when used with dye-based inks, it is important to protect the print (i.e., with lamination), if durability is desired.

#### Advantages:

- Dry time
- Water resistance
- Gloss uniformity with dyes

#### Limitations:

- Permanence with dyes
- Scratch resistance with pigments
- Gloss uniformity with pigments

Porous coatings subject the dye to light and air fade



## Value proposition

### Value proposition of HP printing materials: image quality

Original HP large format printing materials make use of advanced HP-engineered coatings to take the guesswork out of producing high-quality, long-lasting prints. Designed together as a complete printing system, HP large format printers, Original HP inks, and HP printing materials deliver exceptional quality.

To achieve the best print quality results for every type of HP printing material, check for new 'paper presets' frequently at [HPLFMedia.com/paperpresets](https://www.hp.com/hplfmedia.com/paperpresets).



Printing materials with ColorPRO Technology perform to a strict set of specifications to meet industry-leading performance standards. The specific technology behind media with ColorPRO Technology varies from product to product, however all products with ColorPRO Technology utilize advanced technologies which have been designed together with Original HP inks and HP printers to optimize printing system performance.



**Value proposition of HP printing materials: permanence**

Permanence refers to properties that define the ability of both the media and the printed image to resist light, air and humidity, fading, thermal degradation, and shelf-life issues.

HP designs and tests all of its inks and large format printing material combinations for optimal durability, knowing that different applications require different test requirements:

- Indoor, home and office display
- Indoor, commercial in-window display
- Outdoor display

HP performs all testing at HP facilities (San Diego, CA; Corvallis, OR; Barcelona, Spain; Singapore). In many cases, Wilhelm Imaging Research (WIR) verifies image permanence results. WIR has become a world-renowned, industry-leading third-party durability test facility for inkjet and other print technologies.

For example, Original HP Photo Inks (pigment-based inks), together with HP Professional Instant-dry Satin Photo Paper provide a display performance behind glass, indoors away from direct sunlight of up to 200 years (as per Wilhelm Imaging Research testing). In similar conditions, HP Premium Photo Papers (Gloss and Satin) printed with Original HP 711 inks last up to 70 years.

For more information, see [HPLFMedia.com/hp/printpermanence](http://HPLFMedia.com/hp/printpermanence).

**Value proposition of HP printing materials: reliability**

HP large format printing materials are designed and tested together with the HP printer and Original HP inks to provide a trouble-free printing experience. All Original HP printing materials are covered by an HP warranty. And in some cases, HP offers warranties tailored to specific sign and display application needs. For more information, see [HPLFMedia.com/MediaWarranties](http://HPLFMedia.com/MediaWarranties).

*Mechanical characteristics*

The mechanical/physical properties of HP printing materials have a direct impact on printing reliability. HP designs and tests our printing materials to provide optimal media loading and paper advancement, which helps to avoid everyday printing issues, such as printhead crashes. Other important considerations during the design process are shown in the photo below:



*Imaging characteristics*

The imaging characteristics of the inkjet receptive layer developed by HP determine imaging properties as well as fade resistance and water resistance.





The mark of  
responsible forestry

## Value proposition of HP printing materials: environmental

### 1. Responsible sourcing and management

FSC®-certified HP printing materials ([HPLFMedia.com/ecosolutions](http://HPLFMedia.com/ecosolutions)) carry the Forest Stewardship Council® (FSC) Mix label, signifying that these media support the development of responsible forest management worldwide.

- HP Bright White Inkjet Paper
- HP Coated Paper
- HP Everyday Instant-dry Gloss Photo Paper
- HP Everyday Instant-dry Satin Photo Paper
- HP Everyday Satin Photo Paper
- HP Gloss Poster Paper, 3-in Core
- HP Heavyweight Coated Paper
- HP Matte Litho-realistic Paper, 3-in Core
- HP Natural Tracing Paper
- HP Photo Realistic Poster Paper
- HP Premium Bond Paper, 3-in Core
- HP Premium Instant-dry Gloss Photo Paper
- HP Premium Instant-dry Satin Photo Paper
- HP Premium Matte Photo Paper
- HP Premium Poster Paper
- HP Production Matte Poster Paper, 3-in Core
- HP Production Satin Poster Paper, 3-in Core
- HP Professional Gloss Photo Paper
- HP Professional Instant-dry Satin Photo Paper
- HP Professional Satin Photo Paper
- HP PVC-free Durable Smooth Wall Paper
- HP PVC-free Durable Suede Wall Paper
- HP PVC-free Wall Paper
- HP Special Inkjet Paper
- HP Super Heavyweight Plus Matte Paper
- HP Super Heavyweight Plus Matte Paper, 3-in Core
- HP Universal Bond Paper
- HP Universal Bond Paper, 3-in Core
- HP Universal Coated Paper
- HP Universal Coated Paper, 3-in Core
- HP Universal Gloss Photo Paper
- HP Universal Heavyweight Coated Paper
- HP Universal Heavyweight Coated Paper, 3-in Core
- HP Universal Instant-dry Gloss Photo Paper
- HP Universal Instant-dry Satin Photo Paper
- HP Universal Satin Photo Paper
- HP White Satin Poster Paper





## 2. Recyclability and reuse

Many HP large format printing materials are recyclable through commonly available recycling programs. In addition, many other printing materials are eligible for free, convenient return and recycling through the HP Large Format Media take-back program<sup>1</sup> (see [HPLFMedia.com/ecosolutions](https://www.hp.com/go/hplfmedia/ecosolutions)) including the following printing materials:

- HP Backlit Polyester Film
- HP Bright White Inkjet Paper
- HP Clear Film
- HP Coated Paper
- HP Durable Synthetic Banner, 2 Pack
- HP Everyday Instant-dry Gloss Photo Paper
- HP Everyday Instant-dry Satin Photo Paper
- HP Everyday Matte Polypropylene, 2 Pack
- HP Foldable Durable Synthetic Banner
- HP Heavyweight Coated Paper
- HP Light Fabric
- HP Matte Film
- HP Natural Tracing Paper
- HP Opaque Scrim
- HP Photo-realistic Poster Paper
- HP Premium Instant-dry Gloss Photo Paper
- HP Premium Instant-dry Satin Photo Paper
- HP Premium Matte Photo Paper
- HP Premium Matte Polypropylene, 2 Pack
- HP Premium Poster Paper
- HP Premium Vivid Color Backlit Film
- HP Recycled Satin Canvas
- HP Recycled Removable Adhesive Fabric
- HP Super Heavyweight Plus Matte Paper
- HP Special Inkjet Paper
- HP Translucent Bond Paper
- HP Universal Bond Paper
- HP Universal Coated Paper
- HP Universal Gloss Photo Paper
- HP Universal Heavyweight Coated Paper
- HP Universal Instant-dry Gloss Photo Paper
- HP Universal Instant-dry Satin Photo Paper
- HP Universal Satin Photo Paper
- HP White Satin Poster Paper

<sup>1</sup> 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 [HPLFMedia.com/hp/ecosolutions](https://www.hp.com/go/hplfmedia/ecosolutions) for details.

<sup>2</sup> 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/m<sup>2</sup> (5-ounce) HP HDPE Reinforced Banner to a traditional 440 g/m<sup>2</sup> (13-oz) PVC scrim product 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.

<sup>3</sup> 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 200 g/m<sup>2</sup> (6-ounce) HP Double-sided HDPE Reinforced Banner to a traditional 440 g/m<sup>2</sup> (13-oz) PVC scrim product using the Swiss Center for Life Cycle Inventories Ecoinvent 2.2 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.

### Cross section of

### HP Super Heavyweight Plus Matte Paper



## Value proposition of HP printing materials: consistency

Original HP large format printing materials, Original HP ink supplies, and HP DesignJet large format printers are designed together as a system to provide uncompromising image quality, consistency, performance, durability, and value every time.

Consistency is one key property considered during the manufacturing of HP printing materials. HP implements strict product qualification processes and Plan of Control (PoC) during the paper manufacturing and coating processes. This enables consistent and accurate results time after time. HP Super Heavyweight Plus Matte Paper is one example of this consistency. Its thick inkjet receptive layer is capable of uniformly holding all the ink during the printing process. This ability to uniformly hold the ink over the full width and length of the roll, as well as the paper's constant grammage across different rolls and manufacturing runs, is key. It enables a consistently high color gamut on this matte coated paper, plot to plot, roll to roll.





# HP large format graphics & technical printing materials

## Designed together with Original HP inks and the printer

HP offers a broad printing materials portfolio specifically designed to meet the needs of graphics, photography, and technical professionals. All products deliver vivid, high-quality prints and offer excellent price-to-performance ratios.

### Key large format applications



CAD & GIS



GRAPHIC DESIGN & PHOTOGRAPHY



PRINT SERVICE PROVIDERS



RETAIL



EDUCATION

## Print with the environment in mind

As you and your customers become increasingly concerned with the environmental impact of printing, look to HP for large format printing materials that reflect responsible sourcing practices and offer recycling options. FSC®-certified papers support the development of responsible forest management worldwide. Many HP graphics and technical printing materials are recyclable through commonly available recycling programs and select materials, optimized for sign and display applications, can be recycled through the free, convenient HP Large Format Media take-back program.<sup>4</sup>

<sup>4</sup> 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 [HPLFMedia.com/hp/ecosolutions](http://HPLFMedia.com/hp/ecosolutions) for details.



The mark of responsible forestry



## HP bond & coated papers



**COLORPRO**  
TECHNOLOGY

**COLORPRO**  
TECHNOLOGY

**COLORPRO**  
TECHNOLOGY

### Bond papers

#### HP Universal Bond Paper FSC®-certified (Also available in 3-in core.)

HP Universal Bond Paper with ColorPRO Technology delivers professional quality and striking results at production speed. See more striking colors, crisper text and graphics, and higher-contrast blacks.

Weight: **80 g/m<sup>2</sup> (21 lb)** Thickness/caliper: **106 microns/4.2 mil** Whiteness: **160<sup>6</sup>** Brightness: **110%<sup>7</sup>** Opacity: **91%<sup>8</sup>**

#### HP Bright White Inkjet Paper FSC®-certified (Also available in 3-in core.)

HP Bright White Inkjet Paper with ColorPRO Technology is our brightest white bond paper. This cost-effective paper is ideal for everyday black and color line drawings. See the ColorPRO difference with high-impact graphics and an extended range of colors.

Weight: **90 g/m<sup>2</sup> (24 lb)** Thickness/caliper: **119 microns/4.0 mil** Whiteness: **166<sup>6</sup>** Brightness: **113%<sup>7</sup>** Opacity: **94%<sup>8</sup>**

#### HP 20-lb Bond with ColorPRO Technology

Produce high-impact graphics with a wide range of colors; precise lines; and sharp, fine detail. HP 20-lb Bond with ColorPRO Technology uses 20% less ink & 30% more color than standard bond papers without ColorPRO Technology.

Weight: **75 g/m<sup>2</sup> (20 lb)** Thickness/caliper: **101 microns/4.7 mil** Whiteness: **166<sup>6</sup>** Brightness: **92%<sup>7</sup>** Opacity: **88%<sup>8</sup>**

### Coated papers

#### HP Coated Paper FSC®-certified (Also available in 3-in core.)

Do more with this versatile premium bright white paper—from working comps and design proofs to fine line drawings and illustrations. This premium bright white paper is easy to handle and provides high-quality, consistent results.

Weight: **90 g/m<sup>2</sup> (24 lb)** Thickness/caliper: **114 microns/4.5 mil** Whiteness: **145<sup>9</sup>** Brightness: **89%<sup>10</sup>** Opacity: **>96%<sup>11,8</sup>**

#### HP Satin Wrapping Paper, 3-in Core

Print personal images, logos, and messages with this customizable wrapping paper. Offer your customers this profitable, custom wrapping paper with little to no investment.

Weight: **100 g/m<sup>2</sup>** Thickness/caliper: **99 microns/3.9 mil** Whiteness: **>122<sup>9,14</sup>** Brightness: **>97%<sup>10</sup>** Opacity: **>90%<sup>11</sup>**

#### HP Universal Coated Paper FSC®-certified (Also available in 3-in core.)

HP Universal Coated Paper is an economical material ideal for a variety of technical and graphics applications from working comps and design proofs to POP signage and special event posters.

Weight: **90 g/m<sup>2</sup> (24 lb)** Thickness/caliper: **124 microns/4.9 mil** Whiteness: **117<sup>12</sup>** Brightness: **89%<sup>10</sup>** Opacity: **89%<sup>11</sup>**

#### HP Universal Heavyweight Coated Paper FSC®-certified

This economical printing material is ideal for a variety of medium ink-density graphics and technical applications including presentations, indoor signs, and posters that are frequently replaced.

Weight: **125 g/m<sup>2</sup> (35 lb)** Thickness/caliper: **172 microns/6.8 mil** Whiteness: **133<sup>12</sup>** Brightness: **>97%<sup>10</sup>** Opacity: **>92%<sup>11</sup>**

#### HP Heavyweight Coated Paper FSC®-certified (Also available in 3-in core.)

HP Heavyweight Coated Paper is ideal for durable, long-term applications such as signs and posters. The bright, matte inkjet paper makes colorful, light ink-density images look crisp and smooth.

Weight: **131 g/m<sup>2</sup> (35 lb)** Thickness/caliper: **167 microns/6.6 mil** Whiteness: **144<sup>12</sup>** Brightness: **89%<sup>10</sup>** Opacity: **96%<sup>11</sup>**

#### HP Super Heavyweight Plus Matte Paper (Also available in 3-in core.)

HP Super Heavyweight Plus Matte Paper is a best-in-class graphics display media that delivers sharp image quality and ripple-free prints, even with high ink density. Enhance productivity with broad application versatility, instant dry time, and excellent film laminate compatibility. See a rich, distinctive look and feel with the ultra-white matte finish.

Weight: **224 g/m<sup>2</sup> (60 lb)** Thickness/caliper: **277 microns /10.9 mil** Whiteness: **>130<sup>12</sup>** Brightness: **99%<sup>10</sup>** Opacity: **98%<sup>11</sup>**

<sup>5</sup> Can be recycled through commonly available recycling programs.

<sup>6</sup> Per ISO 11475 Test Method.

<sup>7</sup> Per ISO 2470-2 Test Method.

<sup>8</sup> Per ISO 2471 Test Method.

<sup>9</sup> Per CIE Whiteness ISO 11475 D65/10° Outdoor Daylight Test Method.

<sup>10</sup> Per TAPPI T-452 Test Method.

<sup>11</sup> Per TAPPI T-425 Test Method.

<sup>12</sup> Per CIE Ganz 82 Test Method.

<sup>13</sup> HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See [HPLFMedia.com/ecosolutions](http://HPLFMedia.com/ecosolutions) for details.

<sup>14</sup> Per ASTM E-313 Test Method.

<sup>15</sup> Per ISO 2469 Test Method.

<sup>16</sup> Per ISO 2470 Test Method.

<sup>17</sup> Per CIE Ganz 82 Test Method.

<sup>18</sup> Per TAPPI T-452 Test Method.

<sup>19</sup> Display permanence rating for interior displays/away from direct sunlight, under glass by HP Image Permanence Lab. For more information, see [HPLFMedia.com.com/printpermanence](http://HPLFMedia.com.com/printpermanence).





## HP technical papers



### HP Special Inkjet Paper <sup>5</sup> FSC®-certified

HP Special Inkjet Paper is an economical everyday paper, ideal for high-resolution presentation graphics.

Weight: **131 g/m<sup>2</sup>** Thickness/caliper: **172 microns/6.8 mil** Whiteness: **240<sup>12</sup>** Brightness: **92%<sup>10</sup>** Opacity: **92%<sup>11</sup>**

### HP Natural Tracing Paper <sup>5</sup> FSC®-certified

HP Natural Tracing Paper is designed for reproducible final drawings that are highly durable.

Weight: **90 g/m<sup>2</sup>** Thickness/caliper: **76 microns/3 mil** Whiteness: **>120<sup>21</sup>** Brightness: **61%<sup>10</sup>** Opacity: **25%<sup>11</sup>**

### HP Translucent Bond Paper <sup>5</sup>

This economical alternative to vellum is ideal for reproducible drawings and check prints.

Weight: **63 g/m<sup>2</sup>** Thickness/caliper: **71 microns/2.8 mil** Whiteness: **>113<sup>12</sup>** Brightness: **90%<sup>10</sup>** Opacity: **77%<sup>11</sup>**

## HP films (graphics & technical)



### HP Clear Film <sup>13</sup>

HP Clear Film is ideal for multiple overlays and transparent images. This optically clear film provides excellent ink adhesion and bleed control as well as bright, vivid colors.

Weight: **156 g/m<sup>2</sup>** Thickness/caliper: **119 microns/4.7 mil** Whiteness: **130<sup>12</sup>** Brightness: **>95%<sup>10</sup>** Opacity: **8%<sup>11</sup>**

### HP Matte Film <sup>13</sup>

Keep track of changes during the review process. Redraw in pen, pencil, or marker on the erasable side, write with pen on the traditional drafting coating on the opposite side. This smear-resistant, archival, and recyclable<sup>13</sup> film produces sharp black and color lines and uniform solid areas and is ideal for original and high-volume reproducible drawings.

Weight: **160 g/m<sup>2</sup>** Thickness/caliper: **127 microns/5 mil** Whiteness: **130<sup>12</sup>** Brightness: **72%<sup>15</sup>** Opacity: **34%<sup>16</sup>**

## HP photographic papers



### Optimized for Original HP dye-based inks

### HP Universal Gloss Photo Paper <sup>20</sup> FSC®-certified

HP Universal Gloss Photo Paper is an economical and versatile choice for presentation graphics, displays, and color presentations.

Weight: **200 g/m<sup>2</sup>** Thickness/caliper: **187 microns/7.4 mil** Whiteness: **120<sup>12</sup>** Brightness: **>95%<sup>16</sup>** Opacity: **95%<sup>11</sup>**

### HP Universal Satin Photo Paper <sup>20</sup> FSC®-certified

HP Universal Satin Photo Paper is a versatile, economical satin-finish paper that provides excellent image quality and vivid color for presentation graphics, displays, and presentations.

Weight: **200 g/m<sup>2</sup>** Thickness/caliper: **187 microns/7.4 mil** Whiteness: **120<sup>12</sup>** Brightness: **>95%<sup>16</sup>** Opacity: **95%<sup>11</sup>**

### Optimized for Original HP pigment-based inks

### HP Everyday Instant-dry Gloss Photo Paper <sup>20</sup> FSC®-certified

Designed for maximum ink absorption, this everyday gloss-finish photo paper includes a porous surface that enables higher ink density, speeds dry time, and achieves vibrant, long-lasting color. And this FSC®-certified paper is recyclable through commonly available recycling programs.<sup>20</sup>

Weight: **235 g/m<sup>2</sup>** Thickness/caliper: **231 microns/9.1 mil** Whiteness: **90<sup>21</sup>** Brightness: **90%<sup>18,16</sup>** Opacity: **96%<sup>11,22</sup>**

### HP Everyday Instant-dry Satin Photo Paper <sup>20</sup> FSC®-certified

Designed for maximum ink absorption, this everyday satin-finish photo paper includes a porous surface that enables higher ink density, speeds dry time, and achieves vibrant, long-lasting color. And this FSC®-certified paper is recyclable through commonly available recycling programs.<sup>20</sup>

Weight: **235 g/m<sup>2</sup>** Thickness/caliper: **231 microns/9.1 mil** Whiteness: **90<sup>21</sup>** Brightness: **90%<sup>18,16</sup>** Opacity: **96%<sup>11,22</sup>**

<sup>20</sup> In North America and Asia (including Japan), recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in Europe recyclable in consumer collection systems that accept liquid packaging.

<sup>21</sup> Per ISO 11476 Test Method.

<sup>22</sup> Per ISO 2471 Test Method.

COLORPRO  
TECHNOLOGY

COLORPRO  
TECHNOLOGY

## HP photographic papers (continued)



### HP Universal Instant-dry Gloss Photo Paper FSC®-certified

This economical gloss-finish photo paper has been improved, now offering even higher image quality with deeper blacks and more vivid colors. Prints dry instantly for immediate handling and lamination. And indoor displays on this FSC®-certified paper provide exceptional display permanence.<sup>24</sup>

Weight: **200 g/m<sup>2</sup>** Thickness/caliper: **195 microns/7.7 mil** Whiteness: **99<sup>21</sup>** Brightness: **> 92%<sup>18</sup>** Opacity: **> 94.5%<sup>22</sup>**



### HP Universal Instant-dry Satin Photo Paper FSC®-certified

This economical satin-finish photo paper has been improved, now offering even higher image quality with deeper blacks and more vivid colors. Prints dry instantly for immediate handling and lamination. And indoor displays on this FSC®-certified paper provide exceptional display permanence.<sup>24</sup>

Weight: **200 g/m<sup>2</sup>** Thickness/caliper: **195 microns/7.7 mil** Whiteness: **99<sup>21</sup>** Brightness: **> 92%<sup>18</sup>** Opacity: **> 94.5%<sup>22</sup>**



### HP Premium Instant-dry Satin Photo Paper FSC®-certified

This premium satin-finish photo paper has been improved to offer unrivaled image quality for brilliant photos and high-impact display graphics—from posters and presentations to retail graphics. Prints dry instantly for immediate handling and lamination. And indoor displays on this FSC®-certified paper provide exceptional display permanence.<sup>24</sup>

Weight: **260 g/m<sup>2</sup>** Thickness/caliper: **261 microns/10.3 mil** Whiteness: **104<sup>12</sup>** Brightness: **92%<sup>18</sup>** Opacity: **97%<sup>11</sup>**



### HP Premium Instant-dry Gloss Photo Paper FSC®-certified

This premium gloss-finish photo paper achieves deep blacks and vivid colors on a brilliantly white sheet for high-quality photos and display graphics. Images seem to pop right off the page with this FSC®-certified paper. Instant-dry prints can be laminated immediately.

Weight: **260 g/m<sup>2</sup>** Thickness/caliper: **261 microns/10.3 mil** Whiteness: **105<sup>12</sup>** Brightness: **92%<sup>18</sup>** Opacity: **97%<sup>11</sup>**

### HP Professional Instant-dry Satin Photo Paper

This professional, satin-finish photo paper is ideal for printing photographs with vivid, true-to-life colors, realistic skin tones, rich blacks, and sharp details. The professional-grade weight adds a gallery-ready look and feel and enables easier handling of large-size exhibition prints. Long-lasting display prints provide exceptional display permanence.<sup>24</sup>

Weight: **300 g/m<sup>2</sup>** Thickness/caliper: **297 microns/11.7 mil** Whiteness: **> 130<sup>14</sup>** Brightness: **>100%<sup>18,16</sup>** Opacity: **> 97%<sup>11</sup>, >95%<sup>22</sup>**

### HP Premium Matte Photo Paper FSC®-certified

This premium photo paper features a smooth matte surface together with a sturdy 210-g/m<sup>2</sup> weight ideal for producing professional, ripple-free prints. Instant-dry prints enable immediate lamination.

Weight: **200 g/m<sup>2</sup>** Thickness/caliper: **264 microns/10.4 mil** Whiteness: **130<sup>12</sup>** Brightness: **100%<sup>16</sup>** Opacity: **98%<sup>11</sup>**

### HP Satin Wrapping Paper, 3-in Core <sup>23</sup>

Print personal images, logos, and messages, with this customizable wrapping paper. Offer your customers this profitable, custom wrapping paper with little to no investment.

Weight: **100 g/m<sup>2</sup>** Thickness/caliper: **99 microns/3.9 mil** Whiteness: **122<sup>9</sup>** Brightness: **97%<sup>10</sup>** Opacity: **90%<sup>11</sup>**

### HP Everyday Instant-dry Gloss Photo Paper FSC®-certified

Enjoy the productivity advantages of a photo paper designed to provide excellent everyday image quality while keeping your workflow running smoothly. With a fast dry time, prints are easy to handle - and you can move quickly to lamination.

Weight: **235 g/m<sup>2</sup>** Thickness/caliper: **231 microns/9.1 mil** Whiteness: **90<sup>9</sup>** Brightness: **90%<sup>10</sup>** Opacity: **96%<sup>11</sup>**

### HP Everyday Instant-dry Satin Photo Paper FSC®-certified

Gain versatility with this everyday photo paper—from presentations to displays to photo enlargements—and achieve consistent, high-impact photo image quality while meeting environmental objectives.

Weight: **235 g/m<sup>2</sup>** Thickness/caliper: **231 microns/9.1 mil** Whiteness: **90<sup>9</sup>** Brightness: **90%<sup>10</sup>** Opacity: **96%<sup>11</sup>**

<sup>23</sup> In North America and Asia (including Japan), recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in Europe recyclable in consumer collection systems that accept liquid packaging.

<sup>24</sup> Indoor display permanence ratings by HP Image Permanence Lab and/or by Wilhelm Imaging Research, Inc. on a range of HP media. For more information, see [HPLFMedia.com/printpermanence](http://HPLFMedia.com/printpermanence).

<sup>25</sup> Per ISO 11476 Test Method.

<sup>26</sup> Per TAPPI T-452 Test Method.

<sup>27</sup> Per ISO 2471 Test Method.

<sup>28</sup> Per CIE Ganz 82 Test Method.

<sup>29</sup> Per DIN 53146 Test Method.

<sup>30</sup> Per ISO 2470 Test Method.



## HP backlit materials



### HP Backlit Polyester Film <sup>13</sup>

Create high-impact backlits with the sharp, vibrant color that commands attention. With a specially engineered coating, this polyester film provides saturated colors and deep, dense blacks to produce razor-sharp, vibrant images that stand out when backlit.

Weight: **275 g/m<sup>2</sup>** Thickness/caliper: **220 microns/8.7 mil** Whiteness: **90<sup>13</sup>, 110<sup>21</sup>** Brightness: **≥80%<sup>18</sup>** Opacity: **≥80%<sup>11</sup>, ≥74%<sup>22</sup>**

### HP Premium Vivid Color Backlit Film <sup>13</sup>

With a porous coating on the printable front side, HP Premium Vivid Color Backlit Film enhances image definition and provides excellent color contrast. A thick, stiff construction enables easy handling. Designed together with Original HP pigment inks, this film produces fast-dry prints with excellent indoor, in-window display permanence.<sup>32</sup>

Weight: **285 g/m<sup>2</sup>** Thickness/caliper: **220 microns/8.7 mil** Whiteness: **90<sup>13</sup>, 110<sup>21</sup>** Brightness: **≥80%<sup>18</sup>** Opacity: **≥77%<sup>11</sup>, ≥74%<sup>22</sup>**



<sup>31</sup> HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See [HPLFMedia.com/hp/ecosolutions](https://hplfmedia.com/hp/ecosolutions) for details.

<sup>32</sup> Interior in-window display ratings by HP Image Permanence Lab on a range of HP media. HP predictions based on test data under Xenon-Arc illuminant—calculation assumes 6,000 Lux/12 hr day. For more information, see [HPLFMedia.com/hp/t/printpermanence](https://hplfmedia.com/hp/t/printpermanence).

<sup>33</sup> Per CIE Ganz 82 Test Method.

<sup>34</sup> Per ISO 11476 Test Method.

<sup>35</sup> Per TAPPI T-452 Test Method.

<sup>36</sup> Per TAPPI T-425 Test Method.

<sup>37</sup> Per ISO 2471 Test Method.

## HP self-adhesive materials



### HP Universal Adhesive Vinyl, 2 Pack

An economical, everyday adhesive vinyl ideal for indoor applications. HP Universal Adhesive Vinyl is easy to use and produces long-lasting, eye-catching displays.

Weight:	Thickness/caliper:	Whiteness:	Brightness:	Opacity:
<b>Without liner: 160 g/m<sup>2</sup></b>	<b>Without liner: 144 microns (5.7 mil)</b>	<b>With liner: 127<sup>6</sup></b>	<b>With liner: 100%<sup>16</sup></b>	<b>With liner: &gt;99%<sup>11,22</sup></b>
<b>With liner: 300 g/m<sup>2</sup></b>	<b>With liner: 271 microns (10.7 mil)</b>			

### HP Everyday Adhesive Matte Polypropylene, 2 Pack (Also available in 3-in core)

A versatile and durable polypropylene film that produces quality prints with excellent color vibrancy at an everyday price. Ideal for both indoor and outdoor applications.

Weight:	Thickness/caliper:	Whiteness:	Brightness:	Opacity:
<b>Without liner: 120 g/m<sup>2</sup></b>	<b>Without liner: 180 microns (7.1 mil)</b>	<b>With liner: 150<sup>6</sup></b>	<b>With liner: 101%<sup>16</sup></b>	<b>With liner: &gt;96%<sup>11,22</sup></b>
<b>With liner: 168 g/m<sup>2</sup></b>	<b>With liner: 215 microns (8.5 mil)</b>			



### HP Everyday Adhesive Gloss Polypropylene, 2 Pack

This self-adhesive polypropylene film produces glossy prints with excellent color vibrancy and brilliant, photo-realistic images. Tear-resistant and easy to handle, its strong adhesive ensures secure, reliable mounting.

Weight:	Thickness/caliper:	Whiteness:	Brightness:	Opacity:
<b>Without liner: 140 g/m<sup>2</sup></b>	<b>Without liner: 193 microns (7.6 mil)</b>	<b>With liner: 90%<sup>22,130<sup>6</sup></sup></b>	<b>With liner: 90%<sup>16</sup></b>	<b>With liner: &gt;95%<sup>11,22</sup></b>
<b>With liner: 190 g/m<sup>2</sup></b>	<b>With liner: 228 microns (9 mil)</b>			<b>&gt;96%<sup>22</sup></b>



### HP Removable Adhesive Fabric

This repositionable adhesive-back fabric is easy to install, reposition, and remove with virtually no residue. Tested and approved for indoor smooth floor graphics and other non-porous surfaces.

Weight:	Thickness/caliper:	Whiteness:	Brightness:	Opacity:
<b>With liner: 289 g/m<sup>2</sup></b>	<b>With liner: 304 microns (12 mil)</b>	<b>With liner: 118</b>	<b>With liner: 87%<sup>16</sup></b>	<b>With liner: &gt;85%<sup>11,22</sup></b>



### HP Recycled Removable Adhesive Fabric <sup>23</sup>

The same great repositionable adhesive-back fabric now in a recycled version made with recycled plastic bottles and coating materials. Easy to install, reposition, and remove with virtually no residue. Tested and approved for indoor smooth floor graphics and other non-porous surfaces.

Weight:	Thickness/caliper:	Whiteness:	Brightness:	Opacity:
<b>With liner: 289 g/m<sup>2</sup></b>	<b>With liner: 304 microns (12 mil)</b>	<b>With liner: 118</b>	<b>With liner: &gt;85%<sup>16</sup></b>	<b>With liner: &gt;85%<sup>11,22</sup></b>



## HP banner & sign materials



### HP Opaque Scrim

HP Opaque Scrim is a matte, opaque PVC banner with a tear-resistant polyester fabric embedded between two white vinyl layers. It is an easy-to-use, high-quality material for banners, decorating, and indoor and outdoor signs.

Weight: **495 g/m<sup>2</sup>** Thickness/caliper: **378 microns/14.9 mil** Whiteness: **127<sup>17</sup>** Brightness: **98%<sup>18</sup>** Opacity: **100%<sup>11</sup>**

### HP Premium Matte Polypropylene, 2 Pack

This versatile, durable matte polypropylene film is water-<sup>48</sup> and tear-resistant, making it ideal for both indoor and outdoor applications full of brilliant color and edge definition. And it's recyclable.<sup>47</sup>

Weight: **140 g/m<sup>2</sup>** Thickness/caliper: **231 microns (9.1 mil)** Whiteness: **140<sup>14</sup>** Brightness: **>99%<sup>18</sup>** Opacity: **96%<sup>11</sup>, 98%<sup>22</sup>**

### HP Durable Semi-gloss Display Film

HP Durable Semi-gloss Display Film is an opaque, white inkjet-compatible coated PET film designed for pop-up display and roll-up indoor presentation systems. No backside lamination is needed, and this film is resistant to stress from rolling and unrolling.

Weight: **265 g/m<sup>2</sup>** Thickness/caliper: **198 microns/7.8 mil** Whiteness: **N/A** Brightness: **119%<sup>30</sup>** Opacity: **>99%<sup>29</sup>**

### HP Everyday Matte Polypropylene, 2 Pack (Also available in 3-in core.)

Produce high-impact signs with this versatile, durable matte polypropylene film. This tear-resistant substrate is easy to use and handle, and is ideal for both indoor and outdoor applications.

Weight: **120 g/m<sup>2</sup>** Thickness/caliper: **203 microns/8 mil** Whiteness: **>113<sup>21</sup>** Brightness: **>101%<sup>16</sup>** Opacity: **>96%<sup>11</sup>**

### HP Durable Synthetic Banner, 2 Pack

HP Durable Synthetic Banner is engineered with DuPont™ Tyvek® material and together with Original HP inks, produces moderately water-resistant<sup>1</sup> and tear-resistant prints. Indoor prints last over 75 years.

Weight:	Thickness/caliper:	Whiteness:	Brightness:	Opacity:
<b>133 g/m<sup>2</sup></b>	<b>299 microns (11.8 mil)</b>	<b>125%<sup>22</sup>, 154<sup>5</sup></b>	<b>&gt;99%<sup>10</sup>, &gt;102%<sup>16</sup></b>	<b>&gt;96%<sup>11,12</sup></b>

### HP Durable Foldable Document Material

Tough handling and display conditions demand a resilient, durable material. HP Durable Foldable Document Material is engineered with DuPont™ Tyvek® material and is designed to produce tear-resistant, foldable maps, documents, and posters.

Weight: **87 g/m<sup>2</sup>** Thickness/caliper: **190 microns/7.5 mil** Whiteness: **127** Brightness: **98%<sup>30</sup>** Opacity: **100%<sup>29</sup>**



### HP Production Banner

From long-lasting indoor displays to demanding outdoor display conditions, this durable banner material can handle it all. Brilliant image quality is preserved in water- and tear-resistant prints. Full 100% opacity provides for no show-through on the back side.

Weight: **495 g/m<sup>2</sup>** Thickness/caliper: **378 microns/14.9 mil** Whiteness: **126** Brightness: **102%<sup>30</sup>** Opacity: **>95%<sup>29</sup>**

## HP fine art printing materials



### HP Matte Litho-realistic Paper, 3-in Core FSC®-certified

HP Matte Litho-realistic Paper delivers outstanding results with the look, feel, and longevity of a heavy, matte offset paper. This natural-white paper is ideal for high-quality poster art and other cost-effective art reproductions.

Weight: **269 g/m<sup>2</sup>** Thickness/caliper: **307 microns/12.1 mil** Whiteness: **95<sup>5</sup>** Brightness: **95%<sup>26</sup>** Opacity: **>98%<sup>11</sup>**

### HP Artist Matte Canvas

HP Artist Matte Canvas has a natural, artistic look and feel for photo enlargements and reproductions. This affordable canvas produces true artistic quality with precise colors on a bright-white, slightly textured matte finish.

Weight: **410 g/m<sup>2</sup>** Thickness/caliper: **396 microns/15.6 mil** Whiteness: **117<sup>14</sup>** Brightness: **97%<sup>26</sup>** Opacity: **>99%<sup>11</sup>**

### HP Professional Matte Canvas

HP Professional Matte Canvas now offers a more consistent base fabric. Museum-quality, matte-finish prints achieve vivid, accurate color reproduction with a bright white surface and improved color gamut ideal for fine art and photographs.<sup>52</sup> Long-lasting, water-resistant<sup>63</sup> prints preserve your work. A flexible finish resists cracking for easier mounting. And broad laminate compatibility includes water-based liquid laminates.

Weight: **410 g/m<sup>2</sup>** Thickness/caliper: **459 microns/18.1 mil** Whiteness: **133<sup>14</sup>** Brightness: **101%<sup>26</sup>** Opacity: **>99%<sup>11</sup>**



### HP Recycled Satin Canvas

Meet environmental goals with this REACH compliant<sup>2</sup> canvas made with recycled water bottles<sup>11</sup> and coating materials. This affordable canvas provides single-step print production, eliminating the need for costly and time-consuming top coating and is also available for the HP take-back program<sup>1</sup>.

Weight: **330 g/m<sup>2</sup>** Thickness/caliper: **441 microns/17.4 mil** Whiteness: **85<sup>14</sup>** Brightness: **89%<sup>26</sup>** Opacity: **>94%<sup>11</sup>**



<sup>1</sup> HP Large Format Media take-back program availability varies. Recycling programs may not exist in your area. See [HPLFMedia.com/ecosolutions](http://HPLFMedia.com/ecosolutions) for details.

<sup>2</sup> Visit [HPLFMedia.com/ecosolutions](http://HPLFMedia.com/ecosolutions) 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, consult the Material Safety Data Sheet (MSDS) available at [HPLFMedia.com/ecosolutions](http://HPLFMedia.com/ecosolutions) to determine appropriate disposal.



The mark of responsible forestry





















Take advantage of free return through the HP Large Format Media take-back program.



The mark of responsible forestry

FSC®-certified HP printing materials carry the Forest Stewardship Council® (FSC) Mix label, signifying that these media support the development of responsible forest management worldwide.

Note: Not all FSC®-certified products are available in all regions.



REACH (Registration, Evaluation, Authorization, and Restriction of Chemicals) 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.

The following HP large format printing materials have approved fire certifications. For more information see [HPLFMedia.com/hp/en/flame-resistant](https://www.hp.com/hplfmedia.com/hp/en/flame-resistant).

	B1	NFPA	Class A	ASTM E84	ASTM E84-16
HP Opaque Scrim	●	●			
HP Removable Adhesive			●	●	
HP Backlit Polyester Film					●

- <sup>38</sup> Compatible only with the 36-inch (914 mm) version of the printer series.
- <sup>40</sup> Compatible only with the 44-inch (1118 mm) version of the printer series.
- <sup>60</sup> Compatible only with the 60-inch (1524 mm) version of the printer series.

- <sup>1</sup> HP Large Format Media take-back program availability varies. Programs may not exist in your area. See [HPLFMedia.com/ecosolutions](https://www.hp.com/hplfmedia.com/ecosolutions) for details.
- <sup>2</sup> Visit [hp.com/recycle](https://www.hp.com/recycle) to see how to participate and for HP Planet Partners program features and 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 the Material Safety Data Sheet (MSDS) available at [hp.com/go/ecodata](https://www.hp.com/go/ecodata) to determine appropriate disposal.
- <sup>3</sup> Roll feed accessory required.
- <sup>4</sup> BMG trademark license code FSC®-C115319, see [fsc.org](https://www.fsc.org). HP trademark licence code FSC®-C017543, see [fsc.org](https://www.fsc.org). Not all FSC®-certified products are available in all regions.
- <sup>5</sup> Can be recycled through commonly available recycling programs.
- <sup>6</sup> Additional sizes available, please visit [HPLFMedia.com](https://www.hp.com/hplfmedia.com).
- <sup>7</sup> Requires 3-in core adapter.
- <sup>8</sup> Papers can be recycled according to region-specific practices. In North America and Asia (including Japan), recyclable in consumer collection systems that can accept mixed paper (may not be recyclable in your area); in Europe recyclable in consumer collection systems that accept liquid packaging.
- <sup>9</sup> Compatible with the HP DesignJet Z3200 Photo Printer series only.
- <sup>10</sup> As of the date of this document, this product does not contain any of the chemicals on the EU's Candidate List for Authorization (otherwise known as Substances of Very High Concern) 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](https://www.hp.com/hpinfo/globalcitizenship/environment/productdata/reachall-products.html).  
Logo source: Copyright European Chemicals Agency.
- <sup>11</sup> 100% of total PET resin in the product made from recycled water bottles. The coating does not contain recycled materials. Certified according to Global Recycled Standard (GRS)





---

© 2022 HP Development Company, L.P. © 2022 Brand Management Group. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP and BMG shall not be liable for technical or editorial errors or omissions contained herein.

HP is a registered trademark of HP Development Company, L.P. and is used by Brand Management Group on license from HP Development Company, L.P.

# How to order

## HP technical and graphics large format printing

---

Explore the wide range of different types of printing materials, specifically designed to meet the demands of graphics and technical professionals.

Order online at [HPLFMedia.com](http://HPLFMedia.com)  
or contact us at:

### Americas

- U.S., Canada: 888-893-4668
- Mexico, Latin America: +01-800-681-6740

### Europe, Middle East, and Africa

- Spain & Portugal: +34 935 479 700
- United Kingdom & Ireland: +44 (24) 7527 9913
- France: +34 935 479 700
- Italy: +39 02 9475 4971
- Germany: +34 935 479 700
- Alps, Benelux & Nordics: +32 28 080 750
- Central & Eastern Europe: +49 (0) 3030 806 625

### Asia Pacific

- Australia: +61 2 8038 5013
- Singapore: +65 3158 4677

We look forward to working with you and providing you with the best possible products, service, and support.

For more information, visit our website at: <http://HPLFMedia.com>

**For detailed information on the HP large format printing materials portfolio and to order, visit [HPLFMedia.com](http://HPLFMedia.com).**

