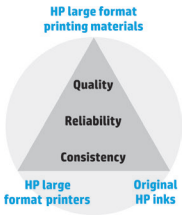
Data sheet

HP Optimal Gloss Air GRP

High-performance polymeric gloss adhesive vinyl with grey repositionable adhesive

The HP large format printing system—the complete solution

HP Latex printers, Original HP Latex Inks and printheads, and Original HP printing materials are designed to work together as a system to provide uncompromising image quality, reliability, and consistency—with every print.



1 With HP 871 and 831 Latex Inks, over 10 years laminated display permanence for indoor home or office, commercial in-window, and outdoor displays.

2 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 Printing Products and Consumable Supplies. Logo source: Copyright European Chemicals Agency.

3 Based on a comparison of HP Latex Ink technology to competitors with leading market share as of December, 2013 and analysis of published MSDS/SDSs and/or internal evaluation. Performance of specific attributes may vary by competitor and ink technology/formulation.

4 B1 approved fire certification.

5 Recommended on indoor smooth, non-porous, sealed flat and dry surfaces. Up to 3 months indoor durability. Slip resistance for dry environments.

Produce stunning, easy-to-install prints

Experience long-lasting durability

Reduce inventory costs with the wide variety of applications that can be produced with HP Optimal Gloss Air GRP. Experience durable print performance with over 10 years laminated display permanence,[1] with HP's Optimal high-performance polymeric repositionable vinyl. Can be used on indoor smooth floor surfaces in dry conditions when laminated with HP Matte or Gloss Polymeric Overlaminates.

Differentiate with environmental certifications

Offer a vinyl that complies with high health standards. HP Optimal Gloss Air GRP is flame-resistant[4] and REACH compliant[2]—a regulation of the European Union adopted to improve the protection of human health and the environment.

Save time with a reliable, total HP solution

Original HP printing materials, Original HP inks, and HP large format printers are designed to work together as a system to provide reliable, consistent, quality results that help save time. Prints produced with HP Latex Inks also provide a better approach with end-to-end environmental sustainability.[3]

Target customers	Applications	Benefits
Print service providers	Outdoor signage and advertising	High-performance polymeric calendered vinyl provides stunning print performance
	Fleet graphics	Grey repositionable adhesive provides opacity to achieve the desired hiding power on multiple surfaces
	Window graphics	Air release liner enables quick, bubble-free installation with a smooth finish
	POP and retail displays	Save time with the repositionable adhesive for easy installation
	Trade show and event displays	Flame-resistant[4] material also provides reassurance with REACH compliance[2]
	Wall murals	Over 10 years laminated display permanence[1]
	Decals	Compatible with Original HP Latex Inks; also solvent, low-solvent, and UV-curable inks
	Floor graphics	Safe for use on smooth indoor floor surfaces in dry conditions when combined with HP Matte or Gloss Polymeric Overlaminate[5]

Technical specifications

HP Optimal Gloss Air GRP

For the latest ICC profiles/paper presets, please visit HPLFMedia.com/hp/paperpresets.

Ink technology	Compatible with Original HP Latex Inks; also solvent, low-solvent, and UV-curable inks
Thickness (base vinyl)	76 microns/3 mil per ISO 20534 Test Method
Base vinyl	Polymeric calendered
Liner	160 g/m², double-sided PE-coated silicone paper with low-profile air release
Adhesive	Grey, repositionable pressure-sensitive adhesive; 2 years removable with heat
Opacity	99% per TAPPI T-425 Test Method
Finish	Gloss, greater than 70 gloss units at 60˚ reflection
Display permanence (Outdoor unprinted)	Over 7 years[6]
Display permanence (Outdoor)	Over 4 years unlaminated, over 10 years laminated with HP 871 and 831 Latex Inks[6]
Display permanence (Indoor home or office)	Over 7 years unlaminated, over 10 years laminated with HP 871 and 831 Latex Inks[7]
Display permanence (Commercial in-window)	Over 5 years unlaminated, over 10 years laminated with HP 871 and 831 Latex Inks[8]
Water resistance	Water resistant with HP 871 and 831 Latex Inks[9]
Minimum application temperature	15 to 26˚C (59 to 78˚F) on clean, dry surfaces
Service temperature	-28 to 65˚C (-18 to 149˚F)
Operating temperature	15 to 35˚C (59 to 95˚F)
Operating humidity	40 to 60% RH
Lamination	Cold lamination; recommend using HP Matte or Gloss Polymeric Overlaminates
Shelf life	2 years, unopened in original packaging
Indoor floor durability	Up to 3 months in indoor dry environments
Storage temperature	21 to 24˚C (69 to 75˚F)
Storage humidity	50% RH
Flame resistance	B1 approved fire certification
Environmental	REACH[10] and RoHS compliant
Country of origin	Product of the United States

Ordering information	**Product numbers**	**Roll sizes**	**UPC codes**	**Region**
	6GA37A	1372 mm x 50 m (54 in x 164 ft)	848412024869	Europe, Middle East, and Africa
	6GA39A	1524 mm x 50 m (60 in x 164 ft)	848412024876	Europe, Middle East, and Africa

Warranty	HP large format printing materials are free from defects in materials and workmanship. For warranty statement, please see HPLFMedia.com/go/mediawarranties. To obtain warranty service, please contact Brand Management Group customer support at HPLFMedia.com/hp/en/contactus.

[6] Outdoor unprinted display permanence rating based on white background color change according to SAE J2527; outdoor display permanence rating according to SAE J2527; 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. For more information, see HPLFMedia.com/hp/printpermanence.

[7] Display permanence rating for interior displays/away from direct sunlight by HP Image Permanence Lab and/or by Wilhelm Imaging Research, Inc. on a range of HP media. For more information, see HPLFMedia.com/hp/printpermanence.

[8] 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/printpermanence.

[9] Performance varies based on printer and print profile. Water resistance testing by HP Image Permanence Lab on a range of HP media and follows ISO 18935 method. For more information, see: HPLFMedia.com/hp/printpermanence.

[10] 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 Printing Products and Consumable Supplies. Logo source: Copyright European Chemicals Agency.

REACH

MADE IN THE USA

For detailed information on the HP large format printing materials portfolio and to order, visit HPLFMedia.com

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