Data sheet

HP HDR230 Scitex Inks

For economical high-value, low-odor[1] corrugated prints

HP HDR230 Scitex Inks have achieved UL GREENGUARD GOLD Certification.[2]

HP HDR230 Scitex Inks have been independently tested by Papiertechnische Stiftung (PTS) for deinking and recyclability and are certified per INGEDE Method 11.[3]

Ramp up your high-value corrugated application volume. Designed specifically for paperboard media, HP HDR230 Scitex Inks are optimized with HP Scitex High Dynamic Range (HDR) Printing Technology. See leading flexibility, rub resistance, and surface durability[4] enabling high productivity on a range of flexible and rigid substrates. Low-odor prints are tuned for indoor applications[5]. Move to economical corrugated print—you can reduce operational costs, and additional overcoat may not be needed.

Move to economical, high-volume corrugated print

- Help reduce operational costs—Additional protective overcoat equipment or process steps are typically not needed.
- Look at increasing your print volumes and producing longer runs with enhanced productivity.[6]
- Achieve quality, high-productivity results on a range of flexible and rigid substrates.

Achieve precise image quality at high productivity

- See high image quality at high productivity—HP HDR230 inks are optimized for HP Scitex High Dynamic Range printing.
- Meet proofing standards according to ISO12647-7.[7]

Low-odor prints[1] tuned for indoor applications[5]

- Ink formulation optimized for paperboard applications.
- Leading flexibility, rub resistance, and surface durability[4] on a range of paperboard substrates.
- Inks are formulated to produce low-odor prints tested according to the DIN EN 1230-1 standard.[1]
- Designed for indoor applications[5]—HP HDR230 Scitex Inks are UL GREENGUARD GOLD Certified, and meet AgBB criteria.[2]
- Deinkable, recyclable prints—"Good Deinkability" per ERPC and INGEDE; recyclable per PTS-RH 21/97 method.[3]

Ordering information

HP HDR230 Scitex Inks
For use with the HP Scitex 17000 Corrugated Press and HP Scitex 15500 Corrugated Press

CP814A	HP HDR230 10-liter Cyan Scitex Ink
CP815A	HP HDR230 10-liter Magenta Scitex Ink
CP816A	HP HDR230 10-liter Yellow Scitex Ink
CP817A	HP HDR230 10-liter Black Scitex Ink
CP818A	HP HDR230 10-liter Light Cyan Scitex Ink
CP819A	HP HDR230 10-liter Light Magenta Scitex Ink

[1] HP HDR230 Scitex Inks are formulated to produce low-odor prints that are tested according to the DIN EN 1230-1 odor standard for paper and board intended to come into contact with foodstuffs. Print odor is rated on a scale of 0 (no perceptible odor) to 4 (strong odor). Print odor with HP HDR230 Scitex Inks at POP Production is rated 1-2 for prints produced in matte mode. Odor test results validated by internal HP testing.

[2] UL GREENGUARD GOLD Certification to UL 2818 demonstrates that products are certified to UL's GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg or greenguard.org. Tested on prints made on Scrolljet 904 175 g/m^2 paper, printed at Fast Sample, 80% UV power, 220% ink coverage. Using UL GREENGUARD GOLD Certified inks does not indicate the end product is certified. HP HDR230 Scitex Inks meet AgBB criteria for health-related evaluation of VOC emissions of indoor building products. AgBB compliance evaluation was conducted for a 28 day test period at UL Environment Inc. labs. For more information, visit umweltbundesamt.de/en/topics/health/commissions-working-groups/committee-for-health-related-evaluation-of-building. Tested on prints made on Scrolljet 904 175 g/m^2 paper, printed at Fast Sample, 80% UV power, 220% ink coverage. Using inks that meet AgBB criteria does not indicate the end product meets the criteria.

[3] Prints made with HP HDR230 Scitex Inks on Ekman GMWM130, 130 g/m^2 coated media have been independently tested by Papiertechnische Stiftung (PTS) and have been certified as having "Good Deinkability" according to the European Recovered Paper Council (ERPC 2009) Deinking Scorecard and INGEDE Method 11 (PTS Test Report No. 20874-2, May 2015). In addition, prints made with HP HDR230 Scitex Inks on PWell E-Flute corrugated board with Graph+ liner media have been independently tested by Papiertechnische Stiftung (PTS) per the PTS-RH 21/97 method for recyclability and are considered "conditionally recyclable," which can be effectively improved by dispersion (PTS Test Report No. 20874-1, May 2015).

[4] In internal HP testing performed in January 2015, samples of PWell E-Flute corrugated board with Graph+ liner were printed in POP Production in "Corrugated appearance" on an HP Scitex HDR Press using HP HDR230 Scitex Inks and were tested within 72 hours of printing. Boards were folded once through 180 degrees to one direction to simulate a common finishing stage in printed box production. No cracking of the image layer was observed. Rub resistance was rated greater than 4 on coated media when tested in accordance with ASTM D-5264 on a scale of 1 (poor) to 5 (excellent). Smearing tests demonstrated excellent smear resistance when evaluated by running a one-test cycle using a Taber 5750 Linear Abraser with additional weight of 1350 grams at 25 cycles/minute. Internal HP testing as of March 2015 comparing the rub resistance of HP HDR230 Scitex Inks to leading competitors demonstrated significantly greater surface durability.

[5] For indoor applications, prints provide up to 24 months indoor durability. Tested according to indoor lightfastness predictions using a light exposure chamber and illumination from bare-bulb fluorescent lamps (with no glass or plastic sheet between the lamps and prints). The test was conducted at an office ambient temperature and humidity on Metsäboard Kemiart Graph+ liner media in accordance with ANSI/ISO IT9.9-1996.

[6] Compared to HP HDR250 Scitex Inks.

[7] Printed in POP Production gloss mode on Ekman GMWM130, 130 g/m^2, coated media, validated with the Ugra/Fogra media wedge V3 and IDEAlliance Digital Control Strip 2009. Color verified with Caldera's Print Standard Verifier. Tested January, 2015.

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