

HSAJET®

Aqueous Black Ink

FOR HP TIJ 2.5

A wide range of aqueous ink cartridges for industrial coding on semi-porous and porous substrates.

When used in the new HSAJET® MCX printers, HSAJET® cartridges with smart card (SC) enable automatic detection of ink cartridge, auto adjustment of ink parameters and real time monitoring of ink level.



HSAJET® K0108 Heimdall Black Dye Ink (SC)

for print on uncoated, matte and gloss coated substrates

K0108 provides a durable, sharp, and crisp print without smearing or transfer. The ink is designed to enhance glossiness of gloss coated substrates. It provides reliable and consistent high quality printing, with little or no service between print jobs required, which makes it perfect for intermittent print applications. It has a good drying time on a variety of substrates.

HSAJET® K1312 Loke Black Pigment Ink (SC)

for a print on porous, matte and glossy substrates

K1312 is a pigment/dye based hybrid ink designed to provide a very sharp print. It is perfect for high-resolution printing of small characters, barcodes and datamatrix, even at high speeds. Immediate start-up is possible thanks to an excellent decap time of more than an hour, which makes it perfect for intermittent print applications. It requires very little maintenance and delivers a reliable and consistent print performance.



HSAJET® K3011 Premium Black Ink

HSAJET® K3011ai Premium Black Ink (SC)

for a premium print result on coated and porous substrates

K3011 is specially designed to give a fast drying and premium print performance on pharmaceutical cartons. The ink produces a high-quality image that qualifies for camera verification. It dries well on coated and regular substrates, such as uncoated paper, mill coats (matte, dull, gloss), clay coats and corrugate. It provides a durable, clear and dark image, and requires very little maintenance.

Available for bulk applications.

HSAJET® K3020ai Hybrid Black Ink (SC)

for print on porous substrates

K3020ai is a pigment/dye-based hybrid ink designed to give a premium print performance on porous substrates. It is perfect for high-speed and high-resolution printing of small characters, datamatrixes, and barcodes. It performs well on uncoated paper, mill coat substrates (matte, dull), and corrugate. It has an exceptionally long decap time of 16 hours.

Available for bulk applications.

HSAJET® K3030ai Pigment Black Ink (SC)

for dark print on porous and some non-porous substrates

K3030ai is a specially designed pigment-based ink that excels at printing on both porous and non-porous media. It is an aqueous ink with a mild solvent blend that is especially good at adhering to mill coats (matte, gloss, dull), some plastics, uncoated paper, corrugates, clay coats, and overcoated substrates (aqueous, satin, soft, UV).

K3030ai provides good water and light fastness.

Available for bulk applications.

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Aqueous Black Ink

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Storage Conditions

Less than 24 hours:
Leave cartridge in printer.
Wipe and purge before use.

More than 24 hours:
Remove cartridge from printer and
place a cartridge clip over the head.
Wipe and purge before use.

Storage Temperature

Aqueous inks: 10-30°C

Operating Temperature

Aqueous inks: 10-40°C

Cartridge Maintenance and Handling

Clean the cartridge with a lint free cloth
and wipe slowly and lightly across the
diagonal edges with the printhead facing
down.

Cleaning of Aqueous Inks

Use a lint-free cloth moistened with
deionised water to clean the printhead.

Genuine HP45A or HP45ai Cartridges

HSAJET® aqueous inks are delivered in
genuine HP45A or HP45ai cartridges.



HP45A / HP45ai
cartridge

BS1 1000 ml
bulk ink bottle

IM1 cartridge
for BS1

Ink name	Ink type	Substrates	Fill volume	Avg. delivered ink ¹	Colourant Type	Shelf life	Voltage	Pulse width	Dry time ²	Decap time	Available in bulk ³
K0108	Aqueous	Uncoated and matte coated	48 ml	40 ml	Dye	24 mths	11.0 V	1.9 µsec	1-5 sec	< 30 min	-
K1312	Aqueous	Porous, matte or glossy	50 ml	40 ml	Pigment/ Dye	24 mths	11.0 V	1.9 µsec	2-3 sec	> 1 hour	-
K3011 / K3011ai	Aqueous	Porous, matte or glossy	45 ml	35 ml	Dye	18 mths	10.2 V	2.2 µsec	~1 sec	1 hour	BS1 1000 ml
K3020ai	Aqueous	Porous	45 ml	36 ml	Pigment/ Dye	24 mths	10.2 V	2.2 µsec	~1 sec	16 hrs	BS1 1000 ml
K3030ai	Aqueous/ mild solvent	Porous and non-porous	45 ml	36 ml	Pigment	24 mths	10.2 V	2.2 µsec	1-5 sec (porous) < 30 sec (non porous)	1 hour	BS1 1000 ml

¹ Average delivered ink volume is application dependent and varies from actual fill volume

² Substrate dependent

³ Average shelf life of 6 months

** Recommended pulse warming: Off

DISTRIBUTOR:



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