

HSAJET®

Ink Cartridges

BLACK INKS FOR HP TIJ 2.5

A wide range of HSAJET® inks for industrial coding on almost any type of material

BLACK INKS



HSAJET® inks are delivered in genuine HP45A, HP45ai or HP45si cartridges

HSAJET® K0108 Heimdall Black Dye Ink

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, where little or no service between print jobs is required, which makes it perfect for intermittent print applications. It has a good dry time on a variety of substrates.

HSAJET® K1312 Loke Black Pigment Ink

for a dark print on porous, matte and glossy substrates

K1312 is 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® K3010 Premium Black Dye Ink

for print on matte and glossy substrates

K3010 is specially designed to give a 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, provides a clear, dark image and requires very little maintenance. It has a very good dry rub and oil rub durability. Available for bulk applications.

HSAJET® K4011si Bragi Black Solvent Ink

for print on various types of foils and coated substrates

K4011si prints on a wide range of difficult semi- and non-porous substrates. This ink provides a high quality image with sharp edges, which make this ink an excellent choice for pharmaceutical packaging and track and trace solutions. It is the perfect choice for continuous printing providing excellent stability. Ideal for print on difficult substrates especially PE, PP wraps, films, corona coated BOPP films, blister foils, OPP, PET, rubber, and various coated stocks and textiles. It provides fast drying time of 2-3 seconds and long decap time of more than one hour.

HSAJET® K4021si Thor Black Solvent Ink

for print on blister foils, films and coated substrates

K4021si is specially designed to print on aluminium, blister foils and other difficult substrates. It provides a durable, rubbing resistant and very dark image with sharp edges, which make this ink an excellent solution for pharmaceutical packaging and track and trace solutions. It has an exceptional adhesion and performs especially well on metallic surfaces, aluminium foil, blister foil, OPP, PET film, UV coated papers, nylon as well as other glossy and non-porous substrates. It provides fast drying time of 2-3 seconds and long decap time of more than one hour.

HSAJET® K4032si Odin Black Solvent Ink

for print on coated foils, blisters and coated substrates

Providing a dark, high resolution and high-quality image that qualifies for camera verification, this ink is a good choice for food and pharmaceutical packaging and track and trace solutions. The exceptional durability on non-porous substrates enables industrial handling during the production, packaging and transportation process. It performs especially well on blister foils, coated foil, flexible film substrates, PE wraps, coated cartons as well as other semi- and non-porous substrates.

HSAJET® K4054si Frigg Black Solvent Ink

for print on coated foils, blisters and coated substrates

K4054si provides high-performance results as well as durable, crisp and dark black prints on a wide variety of difficult, non-porous substrates like coated carton, UV laminated paper, OPP, PVC, PET, nylon and metal.

Unlike other solvent inks, K4054si has an exceptional decap time of more than 12 hours and a shelf-life of 24 months, reducing maintenance time and costs to a minimum.

HSAJET® UC5011si UV LED Curable Ink

for a permanent print on PET film and PVC cards

The UC5011si is a UV LED curable ink that cures under a 8W UV LED lamp. It is formulated to give a permanent print on PET film, PP, PVC, special PE and PVC. Even at low dpi this ink provides a very dark image. It has low odor compared to other UV curable inks.

- Dark permanent image even at low DPI
- Curable by a 8W LED lamp
- Cures at high speed up to 30m/min

Ink Cartridges

BLACK INKS FOR HP TIJ 2.5

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
Solvent inks: 15-35°C

Operating temperature

Aqueous inks: 10-40°C
Solvent inks: 15-35°C

Shipping info

Solvent based inks are flammable and
must ship according to UN1210/3.

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.

Aqueous inks

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

Solvent inks

Use HSAJET® Cleaning Tissues containing
Isopropyl Alcohol.

HP45si cartridge

The solvent based inks are delivered in the
HP45si print cartridge, which is a cartridge
specially optimised for solvent inks to print
on non-porous material.

The HP45si runs at faster speeds and
prints at longer throw distance than the
standard HP45A cartridge.



Ink name	Substrates	Ink type	Average delivered ink ¹	Colourant Type	Shelf life	Voltage	Pulse warming	Pulse width	Dry time ²	Decap time	Available in bulk ³
K0108	Uncoated and matte coated	Aqueous	40 ml	Dye	24 mths	11.0 V	Off	1.9 µsec	1-5 sec	< 30 min	-
K1312	Porous, matte or glossy	Aqueous	40 ml	Pigment/ Dye	24 mths	11.0 V	Off	1.9 µsec	2-3 sec	> 1 hour	-
K3010	Matte or glossy	Aqueous	42 ml	Dye	24 mths	10.2 V	Off	2.2 µsec	1-3 sec	< 30 min	BS1 1000 ml
K4011si	Coated	Solvent	42 ml	Dye	9 mths	9.6 V	Off	1.6 µsec	2-3 sec	1 hour	-
K4021si	Coated or metallic	Solvent	42 ml	Dye	6 mths	9.6 V	Off	1.6 µsec	2-3 sec	1 hour	-
K4032si	Coated or metallic	Solvent	35 ml	Dye	12 mths	8.7 V	Off	1.8 µsec	2-3 sec	minimum 15 min	-
K4054si	Coated or metallic	Solvent	42 ml	Dye	24 mths	8.4 V	Off	1.8 µsec	2-5 sec	> 12 hours	BSF 475 ml
UC5011si	PET film, PVC, PP	Solvent	42 ml	Pigment	5 mths	10.0 V	Off	1.7 µsec	Curable by a 8W UV LED lamp	< 1 hour	-

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

² Substrate dependent

³ Average shelf life of 6 months

DISTRIBUTOR:



HSA A UNIQUE IMPRINT
SYSTEMS

HSA Systems (head offices)

DENMARK | SKOVUNDE +45 4494 0222 | ODENSE +45 6610 3401

HSA Systems (subsidiary offices)

FRANCE +33 1 4815 5050 | GERMANY +49 5257 938 6777

www.hsasystems.com | mail@hsasystems.com