

HSAJET®

# Solvent Black Ink

FOR HP TIJ 2.5

**A wide range of fast drying solvent ink cartridges for industrial coding on a wide range of non-porous material.**

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® K4011si Bragi Black Solvent Ink (SC)

**Excellent stability for continuous printing applications**

K4011si prints on a wide range of difficult semi- and non-porous substrates. This ink provides a high quality image with sharp edges, which makes 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 treated 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® K4022si Thor Black Solvent Ink (SC)

**Excellent adhesion for a durable and extra resistant print**

K4022si is specially designed to print on aluminium, blister foils, and other difficult substrates. It provides excellent adhesion, and a durable, extra resistant, and very dark image with sharp edges, which makes this ink an ideal choice for pharmaceutical packaging and track and trace solutions. It performs especially well on metallic surfaces, aluminium foil, blister foil, OPP, PE, PET, and other coated, glossy and non-porous substrates. It has a fast drying time of 2-3 seconds and a long decap time of one hour.

## HSAJET® K4032si Odin Black Solvent Ink (SC)

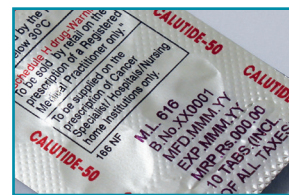
**Dark, high-quality images on non-porous substrates**

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® K4055si Frigg Black Solvent Ink (SC)

**Exceptional adhesion, high optical density and long decap**

K4055si provides exceptional performance as well as durable, crisp and dark black prints on a wide variety of non-porous substrates like flexible films, PE, PET, PP, overcoat varnishes (AQ and EC), plastics, acrylic, ABS, PC, PVC, rubber, glass, metals, as well as other coated, glossy and non-porous substrates. K4055si has an exceptionally long decap time of more than 16 hours, reducing maintenance time and costs to a minimum. Available for bulk applications.



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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

Solvent inks: 15-35°C

\* K4032si: -20-35°C

\* K4055si: 10-30°C

## Operating Temperature

Solvent inks: 15-35°C

\* K4055si: 10-40°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.

## Cleaning of 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	Ink type	Substrates	Fill volume	Avg. delivered ink <sup>1</sup>	Colourant Type	Shelf life	Voltage	Pulse width	Dry time <sup>2</sup>	Decap time	Available in bulk <sup>3</sup>
K4011si	Solvent	Semi- and non-porous	45 ml	33 ml	Dye	9 mths	9.6 V	1.6 µsec	2-3 sec	1 hour	-
K4022si	Solvent	Semi- and non-porous	45 ml	33 ml	Dye	12 mths	8.8 V	1.8 µsec	2-3 sec	1 hour	-
K4032si	Solvent	Semi- and non-porous	50 ml	35 ml	Dye	12 mths	8.7 V	1.8 µsec	2-3 sec	> 15 min	-
K4055si	Solvent	Semi- and non-porous	43 ml	31 ml	Dye	24 mths	9.0 V	1.8 µsec	< 3sec	16 hours	SI1 + BSF 475 ml <sup>4</sup>

<sup>1</sup> Average delivered ink volume is application dependent and varies from actual fill volume

<sup>2</sup> Substrate dependent

<sup>3</sup> Average shelf life of 6 months

<sup>4</sup> K4055-BSF and -SI1 bulk supply also available for use with MCX printers

\*\* Recommended pulse warming: Off

DISTRIBUTOR:



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