Ink Cartridges

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

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. With a long decap time, 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.

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.

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.

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. 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.

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. It has a very good 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.

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 the perfect 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. It provides long decap time and fast dry time.

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

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.

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
deonised 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.

<table>
<thead>
<tr>
<th>Ink name</th>
<th>Substrates</th>
<th>Ink type</th>
<th>Avg. delivered ink</th>
<th>Colourant Type</th>
<th>Shelf life</th>
<th>Voltage</th>
<th>Pulse warming</th>
<th>Pulse width</th>
<th>Dry time*</th>
<th>Decap time</th>
</tr>
</thead>
<tbody>
<tr>
<td>K0108</td>
<td>Uncoated and matte coated</td>
<td>Aqueous</td>
<td>40 ml</td>
<td>Dye</td>
<td>24 mths</td>
<td>11.0 V</td>
<td>Off</td>
<td>1.9 μsec</td>
<td>1-5 sec</td>
<td>&lt; 30 min</td>
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<tr>
<td>K1312</td>
<td>Porous, matte or glossy</td>
<td>Aqueous</td>
<td>40 ml</td>
<td>Pigment</td>
<td>24 mths</td>
<td>11.0 V</td>
<td>Off</td>
<td>1.9 μsec</td>
<td>2-3 sec</td>
<td>&gt; 1 hour</td>
</tr>
<tr>
<td>K3010</td>
<td>Matte or glossy</td>
<td>Aqueous</td>
<td>42 ml</td>
<td>Dye</td>
<td>24 mths</td>
<td>10.2 V</td>
<td>Off</td>
<td>2.2 μsec</td>
<td>1-3 sec</td>
<td>&lt; 30 min</td>
</tr>
<tr>
<td>K4011si</td>
<td>Coated</td>
<td>Solvent</td>
<td>42 ml</td>
<td>Dye</td>
<td>9 mths</td>
<td>9.6 V</td>
<td>Off</td>
<td>1.6 μsec</td>
<td>2-3 sec</td>
<td>1 hour</td>
</tr>
<tr>
<td>K4021si</td>
<td>Coated or metallic</td>
<td>Solvent</td>
<td>42 ml</td>
<td>Dye</td>
<td>6 mths</td>
<td>9.6 V</td>
<td>Off</td>
<td>1.6 μsec</td>
<td>2-3 sec</td>
<td>1 hour</td>
</tr>
<tr>
<td>K4032si</td>
<td>Coated or metallic</td>
<td>Solvent</td>
<td>35 ml</td>
<td>Dye</td>
<td>9 mths</td>
<td>8.7 V</td>
<td>Off</td>
<td>1.8 μsec</td>
<td>2-3 sec</td>
<td>min. 15 min</td>
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<tr>
<td>UC5011si</td>
<td>PET film, PVC, PP</td>
<td>Solvent</td>
<td>42 ml</td>
<td>Pigment</td>
<td>5 mths</td>
<td>10.0 V</td>
<td>OFF</td>
<td>1.7 μsec</td>
<td>Curable by a 8W UV LED lamp</td>
<td>&lt;1 hour</td>
</tr>
</tbody>
</table>

* Substrate dependent

Crisp and sharp image on pharmaceutical boxes with K3010
Durable, dark and sharp prints on blister foils with K4021si
Resistant and high quality prints on PET with K4011si
High quality datamatrix codes on plastic bottles with K4032si

DISTRIBUTOR:

HSAJET®

BLACK INKS FOR HP TIJ 2.5

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