

General Inks

BLACK INK FOR HP TIJ 2.5

Fast drying ink for print on semi-porous and non-porous substrates

IQ648 General Black Sapphire Ink

Printable on Non-Porous Substrates

The IQ648 Black Sapphire ink makes it possible to print on a variety of different substrates:

- Aqueous coatings
- Blister foil
- Clay coats
- Oriented nylon
- Polypropylenes
- UV coats
- Varnishes



IQ9493 General Black Heatless Ink II

Printing on a wider range of materials

IQ9493 Heatless Ink II can print on semi-porous substrates as well as non-porous materials e.g.:

- Aqueous acrylic resin coatings
- Blister foil
- Clay-coated materials
- Oriented nylon
- Polyester
- Varnish overcoats



The fast drying properties of Black Sapphire Ink make no-dryer printing a reality

Due to the fast drying properties of the ink, you can print without a heater! Now you can even print on coated substrates with a smaller industrial desktop HP printer with no dryer setup.

No need for a heater to dry the ink

Because this is a quick-drying ink, a heater is not required, and it is now possible to print on non-porous materials even with small printers unable to be fitted with heaters.

Excellent light-fastness, water resistance and heat resistance

Improved light-fastness, water resistance and heat resistance. Now it is possible to print on previously unprintable materials.

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Specifications

Item # / Name

IQ648 Black Sapphire Ink cartridge
IQ9493 Black Heatless Ink II cartridge

Cartridge type

HP 45A

Color

Black

Ink type

Solvent

Average delivered ink

40 ml

Printing Parameters

Voltage: 7.0V / Pulse width: 2.2 μ s

Voltage: 8.0V / Pulse width: 1.6 μ s

Voltage: 9.0V / Pulse width: 1.2 μ s

Max. running speed

at 300x150 dpi: max. 240 m/min

at 300x300 dpi: max. 120 m/min

at 300x600 dpi: max. 60 m/min

Pulse warming

On, 40°C

Shelf life

One year from fill date

Heater Requirements

Air dry. No dryer necessary.

Storage conditions

15°C (59F) ~35°C (95F)

Store in room temperature

Head cleaning

Clean with a dry tech wipe

Do not clean with water.

Maximum Frequency

12 KHz

Shipping Info

UN1210 Class 3 Flammable

Ink handling and Maintenance

This product uses light-fast and water-resistant dyes,

but it is not recommended that printed substrates are exposed to direct sunlight for long periods of time or immersed in water.

Because this product is dye-based,

it is not resistance to very high temperatures (Discoloring may occur when substrate is exposed to temperatures over 80°C).

Because the print quality varies

depending on the application and environment, it is recommended that you test on print samples first.

If clogging of nozzles occurs, please clean printhead with a clean, dry tech wipe (Please do not wipe with water).

This product contains

alcohol-based solvents, so please use in a well ventilated area.

Highly reliable HP manufactured cartridges

Under license from America's Hewlett-Packard Corporation, the Specialty Printing Systems Division, the inks from General are filled into genuine, original HP manufactured cartridges.

DISTRIBUTOR



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