

# Kao Collins Inks

BLACK INKS FOR HP TIJ 2.5

**Inks with heads-up technology (H) are formulated to substantially reduce the amount of operator maintenance. Inks with heads-up technology don't require capping or purging between print cycles or after extended periods of down-time.**



## BLACK INKS

Kao Collins inks are delivered in genuine HP45A or HP45si cartridges

### CM557H

#### for coated stock, matte, glossy papers & chipboard style substrates

The best alternative for customers who need to print on coated paper. It gives an image that resists smudging on coated sheets. While there will be some smearing when the image is smeared with a wet finger, it will remain clearly legible. The image gets into the paper stock and therefore gives a more durable solution. Colorant type: Dye.

### TWK1818H Complete

#### for coated or non-coated stock

This ink is formulated to print on both coated and non-coated substrates. This ink will dry quickly and give good permanence on coated stocks, while maintaining excellent print quality and a dark image on noncoated stocks. It runs well in bulk supply stations. Colorant type: Dye/pigment hybrid.

### TWK1915H CORE

#### for corrugated box & porous substrates

Offers exceptional darkness, water permanence and extended decap properties. This ink is for porous stock applications including corrugate board. The CORE Ink is designed for use in cartridges that are printing sideways onto corrugate boxes. The testing for this ink has been done in a packaging type environment. This ink is designed as a low maintenance ink that provides good decap time and high ink through put volumes when running in bulk. Colorant type: Dye/pigment hybrid.

### TWK1961H Super Fast Black

#### for matte, glossy papers & corrugated style substrates

The Super Fast Black is a dye-based ink that is designed to print on scratch-off lottery tickets. It produces a high quality, scanable image that dries well on regular and coated substrates. This ink provides adequate decap time and very little maintenance. Colorant type: Dye.

### TWK1966H Data Black

#### for matte, glossy papers & corrugated style substrates

The Data Black is a dye-based ink that is designed to print on pharmaceutical boxes. It produces a high quality, scanable image that dries well on regular and coated substrates. This ink provides adequate decap time and very little maintenance. Colorant type: Dye.

### TWK2010H Endurance Black

The TWK2010H ink provides a dark image and high cartridge throughput which results in lower impression costs. It runs well in bulk supply stations. Colorant type: Dye.

### TWK2080H Reliable H

#### for coated stock

Displays a darker image than the CM557H, and dries extremely quickly on coated stocks. This ink also requires very little printhead maintenance when compared to the other inks. Colorant type: Dye.

### TWK1396 MAX3

#### for PVC, plastic cards & aqueous media

The MAX3 inks are water/solvent based inks that are specifically designed for PVC and plastic card printing. They will also print on aqueous coated paper, varnished media, Tyvek and polyvinyl. This fast drying ink produces a quality image that is smudge resistant on a variety of media. Colorant type: Pigment.

### TWK1921 MAX PLUS

#### for PVC & plastic cards

The MAX PLUS provides a darker image than the MAX2 and -3 and dries quickly on some stocks. Like the other MAX products it prints on a variety of substrates. Provides better ink lay down on substrates that have lower dyne readings. Colorant type: Pigment.

### TSK2039 BEAR

#### for difficult non-porous substrates

The BEAR black ink is a hybrid based ink that prints on non-porous substrates, such as foils, varnishes, and UV coated materials where instant drying is needed. Colorant type: Dye. Note: Flammable.

### TSK247703si\* Solv-Jet

#### fast drying ink for difficult non-porous substrates

The Solv-Jet black ink is a fast drying ink that prints a dark permanent image. It is a solvent-based ink that is formulated for difficult media such as plastic wrap, PVC, Tyvek, foils, UV coats, varnish and some metals where a fast drying time is needed. Colorant type: Dye. Note: Flammable.

### TSK250003si\* Sirius Black

#### fast drying ink for difficult non-porous substrates

The Sirius black ink is a fast drying ink with enhanced adhesion that prints a dark permanent image. It is a solvent-based ink that is formulated for difficult media such as plastic wrap, PVC, Tyvek, foils, UV coats, varnish and some metals. Colorant type: Dye. Note: Flammable.

\*Delivered in the HP 45si cartridge which is designed for solvent-based inks for printing on non-porous substrates. It supports faster speeds and longer throw distances. HP45si cartridges include a programmable HP Smart Card, which offers built-in intelligence for improved uptime, predictability, and troubleshooting.

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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 and solvent inks: 10-30°C

## Operating temperature

Aqueous and solvent inks: 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  
long edge with the printhead facing down.

## Aqueous inks

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

## Solvent inks

Use a dry lint-free cloth to clean the  
printhead.



Ink name	Substrates	Ink type	Avg. delivered ink	Colorant type	Shelf life	Voltage	Pulse warming*	Pulse width	Drying time**	Decap time
CM557H	Coated stock, matte, glossy, chipboard style	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-5 sec	< 1 min
TWK1818H Complete	Coated or non-coated stock	Aqueous	42 ml	Dye/Pigment	12 mths	10.2 V	Off	2.2 µsec	1 sec	< 5 min
TWK1915H Core	Corrugated box & porous	Aqueous	42 ml	Dye/Pigment	12 mths	10.2 V	Off	2.2 µsec	1-10 sec	< 1 min
TWK1961H Super Fast Black	Matte, glossy, corrugated style	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-3 sec	< 30 min
TWK1966H Data Black	Matte, glossy, corrugated style	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-3 sec	< 30 min
TWK2010H Endurance Black	Offset, glossy, matte	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-2 sec	> 1 hr
TWK2080H Reliable H	Coated stock	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-2 sec	> 1 hr
TWK1396 MAX3	PVC, plastic cards, aqueous media	Aqueous	42 ml	Pigment	12 mths	10.2 V	Off	2.2 µsec	1-3 sec	> 1 hr
TWK1921 MAX Plus	PVC, plastic cards	Aqueous	42 ml	Pigment	12 mths	10.2 V	Off	2.2 µsec	1-4 sec	< 1 hr
TSK2039 Bear	Difficult non-porous	Solvent	42 ml	Dye	12 mths	7.6 V	Off	1.8 µsec	1 sec	< 1 min
TSK247703si Solv-Jet	Difficult non-porous	Solvent	42 ml	Dye	12 mths	8.4 V	Off	1.8 µsec	1-5 sec	< 5 min
TSK250003si Sirius Black	Difficult non-porous	Solvent	42 ml	Dye	12 mths	8.4 V	Off	1.8 µsec	1-5 sec	< 5 min

\* HSA Systems' recommended Pulse Warming

\*\* Substrate dependent

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