

Kao Collins Inks

COLOUR 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.



COLOUR INKS

Most inks are available in cartridges as well as different types of bulks

Kao Collins Inkjet standard colours

In addition to the variety of customized ink solutions, Kao Collins also offers cyan, magenta and yellow pigment-based ink formulations and 14 standard colour dye-based formulations. All standard colours are supplied in heads-up formulations. Kao Collins can also colourmatch virtually any Pantone Matching System (PMS) colour.

Please contact your local HSA representative for more information.

	CM457H Blue	PMS 286 U
	CM488H Blue	PMS 295 U
	CM500H Red	PMS 186 U
	CM501H Cyan	PMS Process Blue U
	CM502H Blue	PMS Reflex Blue U
	CM503H Green	PMS 348 U
	CM506H Red	PMS 206 U
	CM784H Orange	PMS 151 C
	CM785H Yellow	PMS 1235 U
	CM787H Magenta	PMS 218 C
	CM788H Brown	PMS 1615 C
	CM789H Purple	PMS Violet C
	CM790H Green	PMS 327 C
	CM791H Red	PMS 1955 C

Approximate PMS colours. Corresponding PMS number may not accurately represent printed colour.

Reliable H Colours

Matte, glossy papers & chipboard style substrates

Kao Collins Reliable H dries extremely quickly on coated stocks. This ink also requires very little printhead maintenance when compared to our other inks. The Reliable H is available in TWR1370 Red, TWG1371 Green, TWY1372 Yellow and TWB1374 Blue. Colourant type: Dye.

MAX2 Colours: TWR1397 Red / TWY1443 Yellow

PVC, plastic cards, & aqueous media

Kao Collins MAX inks utilize a solvent and water mixture to give the ink excellent water-fastness and permanence on a wide variety of non-porous substrates. Colourant type: Pigment.

Sigma Colours: TSR345002 Red / TSB345102 Blue / TSV345202 Violet / TSY345302 Yellow / TSG345402 Green

Fast dry and permanent ink on difficult substrates

Kao Collins SIGMA COLORS are solvent-based inks formulated to dry quickly on difficult media such as plastic films (PE, PET, PP), PVC, UV coats, and some metals, with extended open times (decap). Colourant type: Dye

CM631 UV Invisible

Porous & lightly coated stock

The CM631 is an invisible ink that is only visible under an ultra violet light. This ink can be used on both offset and coated stocks that do not contain optical brighteners. The Kao Collins invisible ink is great for security and insert/envelope matching applications. Colourant type: Proprietary.

TWW1284 IR Invisible

for coated or non-coated stock

The TWW1284 is an invisible ink that is only visible under infrared (IR) light. This ink can be used on both offset and coated stocks. The TWW1284 is great for security and insert/envelope matching applications. Colourant type: Proprietary.

TWW1406 MAX UV

For plastic card and PVC substrates

Max UV is an invisible ink that is only visible under an ultra violet light source. This ink can be used on both offset and coated stocks that do not contain optical brighteners. This Kao Collins invisible ink is great for security and insert/envelope matching applications. Colourant type: Proprietary.

TWW1929 UV RED Spectra

Coated & non-coated substrates

Invisible UV Fluorescent red ink. The TWW1929 Red Spectra is for substrates that have optical brighteners in them. Colourant type: Proprietary.

CM835 Fluorescent Blue / CM838 Fluorescent Red

Porous and lightly coated

The CM835 Fluorescent Blue is approximately a PMS 311U. The CM838 Fluorescent Red is approximately a PMS 223U. These inks can be used on both offset and coated stocks that do not contain optical brighteners.

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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	Colour	Substrates	Ink type	Avg. delivered ink	Colourant type	Shelf life	Voltage	Pulse warming*	Pulse width	Drying time**	Decap time
Standard colours heads-up	14 standard colours	Matte, glossy, chipboard style	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-7 sec	≤ 4 hr
Reliable H Colours	Red, green, yellow, blue	Matte, glossy, chipboard style	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-2 sec	> 30 min
MAX2 Colours	Red, yellow	PVC, plastic cards, aqueous media	Aqueous	42 ml	Pigment	12 mths	10.2 V	Off	2.2 µsec	1-5 sec	> 1 hr
Sigma Colours	Blue, green, red, yellow, violet	Plastic wraps, PVC, UV coats, metals	Solvent	42 ml	Dye	12 mths	8.6 V	Off	1.8 µsec	1-5 sec	> 12 h (Green < 10 min)
CM631 UV Invisible	Visible under ultra violet light	Porous & lightly coated stock	Aqueous	42 ml	Proprietary	12 mths	10.0 V	Off	2.2 µsec	1 sec	< 30 min
TWW1284 IR Invisible	Visible under infrared light	Coated & non-coated stock	Aqueous	42 ml	Proprietary	12 mths	10.2 V	Off	2.2 µsec	1-2 sec	< 30 min
TWW1406 MAX UV	Visible under ultra violet light	Plastic cards, PVC	Aqueous	42 ml	Proprietary	12 mths	10.0 V	Off	2.2 µsec	1-5 sec	< 2 hr
TWW1929 UV RED Spectra	Red	Coated & non-coated	Aqueous	42 ml	Proprietary	6 mths	10.2 V	Off	2.2 µsec	1 sec	< 4 hr
CM835 / CM838 Fluorescent	Blue / Red	Porous & lightly coated	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-3 sec	< 1 min

* HSA Systems' recommended Pulse Warming

** Substrate dependent

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