

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

Collins Inkjet standard colours

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

Please contact your local HSA representative for more information.

approximately*

	CM457 Blue	PMS 286 U
	CM488 Blue	PMS 295 U
	CM500 Red	PMS 186 U
	CM501 Cyan	PMS Process Blue U
	CM502 Blue	PMS Reflex Blue U
	CM503 Green	PMS 348 U
	CM506 Red	PMS 206 U
	CM784 Orange	PMS 151 C
	CM785 Yellow	PMS 1235 U
	CM787 Magenta	PMS 218 C
	CM788 Brown	PMS 1615 C
	CM789 Purple	PMS Violet C
	CM790 Green	PMS 327 C
	CM791 Red	PMS 1955 C

*) Corresponding PMS number may not accurately represent printed colour.

Reliable H Colours

Matte, glossy papers & chipboard style substrates

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

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.

Bear Colours: TSB2100 Blue / TSG2067 Green / TSR2008 Red

Aggressive - print on difficult substrates

The BEAR inks are solvent-based inks that perform well on most difficult substrates such as UV coatings and plastics. The Bear inks do not require a UV curing lamp, and most often, do not need a conventional IR dryer. Note: Flammable.

Solv-Jet Colours: TSB253204si Blue/TSG253104si Green/TSR253004si Red

Fast dry and permanent in on difficult substrates

Solv-Jet colours are solvent-based inks formulated for difficult media such as plastic wrap, PVC, Tyvec, foils, UV coats, varnish and some metals where fast dry time is needed. Note: Flammable.

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 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 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

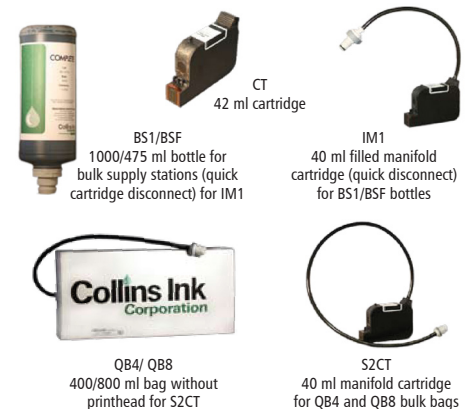
Clean the cartridge with a lint free cloth
and wipe slowly and lightly across the
long edge with the printhead facing down.

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	14 standard colours	Matte, glossy, chipboard style	Aqueous	42 ml	Dye	12 mths	10.2 V	Off	2.2 µsec	1-4 sec	< 12 min
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
BEAR Colours	Blue, green, red	Aggressive - prints on difficult substrates	Solvent	42 ml	Dye	12 mths	7.6 V	40°C	1.8-2.0 µsec	1-5 sec	< 1 min
Solv-Jet Colours	Blue, green, red	Plastic wraps, PVC, Tyvec, foils, metals	Solvent	42 ml	Dye	12 mths	8.4 V	40°C	1.8 µsec	1-5 sec	< 5 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	40°C	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

* Substrate dependent

** HSA Systems' recommended Pulse Warming

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