

Kao Collins Inc.

Standard Colors

Kao Collins Inks for HP 45A Technology

Customized Ink Solutions

Uniform performance

Kao Collins offers fourteen spot colors in dye-based formulations as shown below. All fourteen spot colors are available in standard and heads-up formulations.

Standard

Blue CM457		PMS 293	Magenta CM787		PMS Rubine Red
Blue CM488		PMS 294	Orange CM784		PMS 165
Blue CM502		PMS 287	Purple CM789		PMS Violet C
Brown CM788		PMS 1605	Red CM500		PMS 186
Cyan CM501		PMS Process Blue U	Red CM506		PMS 206
Green CM503		PMS 355	Red CM791		PMS 207
Green CM790		PMS 3282	Yellow CM785		PMS 1235

Note: The colors shown above are approximate matches to the standard and are presented for guidance only. In addition to the standard colors shown, we can also match any non-metallic Pantone Matching System (PMS) color.

Substrate Performance •600x300 DPI •Dryer: OFF •Rating: 1–5 (5=Best)

Sample Substrate	Copy Paper	70# Gloss	Matte	Chipboard	Claycoat Box
Unassisted Dry Time	1 sec	4 sec	3 sec	1 sec	3 sec
Wet Rub Resistance	4	4	4	4	3

Ink Features

- Fluid base: Aqueous
- Colorant: Dye
- Flash point: $> 90^{\circ}\text{C}$
- Shipping Info: Non-Hazardous

Recommended Printer Settings

Pen driver voltage: 10.2 V

Fire pulse length: $2.2\ \mu\text{s}$

Pulse warming: 40°C

Printhead Performance

Decap time: $< 12\ \text{min}$

Shelf life (single/bulk) 1 yr/6 mo

Bulk Cartridge Throughput¹ $> 400\ \text{mL}$

Cartridge Maintenance & Handling

- Use a water-dampened lint-free cloth to clean the print head
- Wipe slowly and lightly across tip of the long edge with the print head facing down
- Forcing the wipe (too much pressure) may scratch the print head
- Use of a cloth with lint may clog the nozzles

Cartridge Storage

- Operating conditions: $10 - 40^{\circ}\text{C}$
- Storage conditions: $10 - 30^{\circ}\text{C}$
- Less than 1 day down: leave cartridges in the machine and wipe/purge before next use.
- More than 1 day down: remove cartridges from machine and place in airtight container with damp cloth.

Standard Colors are available in:

- 1 Liter Bottle for Bulk Supply Station
- 400 mL Bulk Tank
- Cartridge
- Quick Disconnect Bag 400 mL
- Quick Disconnect Bag 800 mL
- Quick Disconnect Cartridges

Disclaimer: The information presented in this data sheet is intended only as a guide and does not infer a warranty of performance. Results may vary depending upon many variables including the specific grade of substrate, environmental conditions, print speed, etc.

Note:

¹Throughput before nozzle failure will vary based on application parameters; e.g., DPI, Nozzles Used, Duty Cycle, & Print Speed