

# Pack Ink

TWK2103

Kao Collins Inks for HP 45A Technology

Ideal for Product Coding and Marking  
Long Cartridge Life in Bulk

Pack Ink is designed for high quality intermittent printing on porous packaging. The long decap allows for readable codes after extended line stops.

## Ink Features

- Fluid base: Aqueous
- Colorant: Pigment
- Flash Point:  $> 100^{\circ}C$
- Shipping info: Non-Hazardous

## Recommended Printer Settings

Pen driver voltage: 10.2 V  
Fire pulse length: 2.2  $\mu s$   
Pulse warming: 40 $^{\circ}C$

## Printhead Performance

Decap time:  $> 1$  hr  
Shelf life (single/bulk) 1 yr/6 mo  
Not recommended for bulk use

## 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
- DO NOT SHAKE CARTRIDGES: shaking a cartridge can create foam and the entrained bubbles may cause printing failure

## Cartridge Storage

- Operating conditions: 10 – 40 $^{\circ}C$
- Storage conditions: 10 – 30 $^{\circ}C$
- 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 cartridge clip (available from Kao Collins) over the head, wipe and purge before use

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

**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.

Sample Substrate	Copy Paper	70# Gloss	Matte	Chipboard	Corrugated
Optical Density	.99	1.28	1.22	1.17	1.22
Unassisted Dry Time	1 sec	7 sec	5 sec	1 sec	2 sec
Wet Rub Resistance	5	2	2	5	5