

# STRATUS

**TSK281503** Kao Collins Inks for HP 45si Technology

## Fast Dry & Permanent Prints Dark Image on Difficult Substrates

STRATUS is a solvent-based ink that is formulated for difficult media such as plastic wrap, PVC, Tyvec®, foils, UV coats, varnish and some metals where fast dry time is needed.

### Ink Features

- Fluid base: Solvent
- Colorant: Dye
- Flash point:  $< 17^{\circ}C$
- Shipping info: UN1210 Class 3 Flammable

### Recommended Printer Settings

Pen driver voltage: 8.4 V  
Fire pulse length: 1.8  $\mu$ s  
Pulse warming: 40°C

### Printhead Performance

Decap time:  $< 10$  min  
Shelf life (single/bulk) 2 years  
Bulk Cartridge Throughput  $>400$  mL

### Cartridge Maintenance & Handling

- Use a dry 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°C
- Storage conditions: 10 – 30°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 • 600x150 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	BOPP <sup>1</sup>	Leneta UV Coat	PE Bag	PVC Card	Tyvec
Optical Density	1.82	2.15	1.65	1.72	0.72
Unassisted Dry Time	12 sec	10 sec	5 sec	10 sec	1 sec
Wet Rub Resistance	5	5	5	5	5

### Note:

<sup>1</sup>Biaxially Oriented PolyPropylene