

Invisible Fluorescent Blue

Activated with Long Wave UV illumination (UVA)

CM-631 is an invisible ink that is only visible under an ultraviolet (black) 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.

Ink Features

- Fluid based: Aqueous
- Colorant: Proprietary
- Flash Point: $> 100^{\circ}\text{C}$
- Shipping info: Non-hazardous

Recommended Printer Settings

Pen driver voltage: 10.0 V
Fire pulse length: 2.2 μs
Pulse warming: 40°C

Printhead Performance

Decap time: < 30 min
Shelf life (single) 1 year

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 cartridge clip (available from Collins Ink) 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	28 lb Writing (no OBA) ¹	Chipboard	Clay Coat Box
L [CIE] @ 365 nm ²	85.9	23.54	86.1
Unassisted Dry Time	0.5 sec	0.5 sec	1 sec
Dry Rub Resistance	5	5	5
Wet Rub Resistance	4	4	4

Note:

¹Substrate contains no Optical Brightening Agent

²Relative emission intensity with UV illumination