

Invisible Security Ink

Activated with red illumination (680 – 700 nm)

TWW1284 is a water-based invisible security ink that fluoresces infrared illumination in the range 710 – 775 nm to give a light image against a dark background. This ink can be used for both offset and coated stocks. Recommended for security and insert/envelope matching applications.

Ink Features

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

Recommended Printer Settings

Pen driver voltage: 10.2 V
Fire pulse length: 2.2 μs
Pulse warming: Off

Printhead Performance

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

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