

RYNAN F500DB

Invisible UV fluorescent solvent ink

TECHNICAL DATA SHEET

RYNAN F500DB invisible UV fluorescent print cartridge is invisible under normal light, emits blue light under UV light source.

RYNAN F500DB is designed for applications that require security feature such as banknotes, postage stamp, tickets, invoices, tax banderoles, security labels, product marking.

Non-stitching 1 inch print swath expands the printing applications without disadvantages of printhead stitching.

Technical Specifications

	RYNAN F500DB Print Cartridge
Ink type	Invisible UV fluorescent dye solvent ink
Print cartridge type	One inch TIJ cartridge
Resolution	Up to 300 dpi
Nozzle count	300
Print swath	25.4 mm
Firing voltage	9.0 V
Fire pulse width	2.0 μ s
Pulse warming	OFF
Decap time	Up to 1 h
Drying time	3- 5 s at 300 x 300 dpi
Throw distance	Up to 5 mm
Average delivered ink	37 mL (vertical) and 35 mL (horizontal)
Average drop volume	39 pL
Operating conditions	5 °C to 40 °C, 35% to 80% RH
Shipping / storage temperature	5 °C to 30 °C
Best before	6 months from filling date

Cartridge Shipping & Storage

- The cartridge should be stored in vacuum sealed pouch until used.
- Use the cartridge within two weeks of removing it from vacuum sealed pouch for best performance.
- Store the cartridge with a clip placed over the printhead. Horizontal position is recommend.
- Refer to Safety Data Sheet for more information.

Cartridge Maintenance & Handling

- Use a lint-free cloth moistened with ethanol (> 98%) to clean the cartridge printhead. Use of a cloth with lint may clog the nozzles.
- Holding the cartridge printhead face down, gently press the printhead on a lint-free cloth to allow ink to wick out. Then, slowly and lightly wipe across the tip of the long edge.
- Do not shake the cartridge.

Light fastness

RYNAN F500DB ink's printouts are intended for indoor use only, not recommended for window use or outdoor exposure. User should conduct individual tests to determine if light fastness meets the specific requirements.

Ordering Information

Product number	Product description
F500DB85A	RYNAN F500DB Print Cartridge

