

Formulating a Greener World®

SoluJET® 2750W

UV LED curable ink for non-porous media



TECHNICAL DATA SHEET

SoluJET® 2750W white pigment UV curable TIJ 2.5 ink is specially designed for coding and marking on dark and clear semi-porous non-porous substrates.

SoluJET® 2750W ink provides excellent solvent resistance, fade resistance and heat resistance, good adhesion and rub resistance on semi-porous and non-porous substrates such as coated paper, PET, PVC, metals, foils, PCB.

SoluJET® 2750W ink can be rapidly cured with either UV LED or mercury UV lamps.⁽¹⁾

Technical Specifications

	SoluJET® 2750W Print Cartridge
Ink type	White pigment UV curable solvent ink
Print cartridge type	HP 45si
Resolution	Up to 600 dpi, recommended 300 × 300 dpi
Nozzle count	300
Print swath	12.7 mm
Firing voltage	9.2 V
Fire pulse width	2.4 µs
Pulse warming	OFF
UV dosage	320 mJ/cm ² (*)
Curing speed	30 m/min (*)
Decap time⁽¹⁾	10 min
Throw distance⁽²⁾	Up to 3 mm, recommended 1 mm
Average delivered ink	35 mL (vertical) and 33 mL (horizontal)
Average drop volume⁽³⁾	32 pL
Operating conditions	25 °C to 35 °C, 45% to 80% RH
Shipping / storage temperature⁽⁴⁾	15 °C to 35 °C
Best before⁽⁴⁾	3 months from filling date

(*) 300 × 300 dpi, UV LED 8 W/cm², wavelength 395 nm, 20 mm run-length, 5 mm above substrate

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.
- Avoid direct sunlight or UV light to cartridge printhead.
- Store the cartridge with a clip placed over the printhead. NOZZLES UP position is recommended.
- Refer to Safety Data Sheet for more information.

Cartridge Maintenance & Handling

- Store the ink cartridge in the Nozzle down for about 5 minutes to 10 minutes. Then Shaking and wiping nozzles before use.
- Use a lint-free cloth moistened with ethanol (> 98%) to clean the cartridge printhead.
- 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.

Ordering Information

Product number	Product description
2750W42A	SoluJET® 2750W Print Cartridge

(1) Ink performance may vary depending on substrate, printer, and environmental conditions.

(2) Recommended. May vary by application.

(3) Max drop volume able up to 39 pL by continuous printing with solid image (HxW: 0.5x1 inch) at print speed 15 m/min, 300x300 dpi, temperature 25-27 °C and humidity ~ 60% RH.

(4) Must be shipped and stored under recommended conditions. If product shipping/storage is below 15 °C, a 5 hours warm-up within the operating temperature is required prior to use.

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