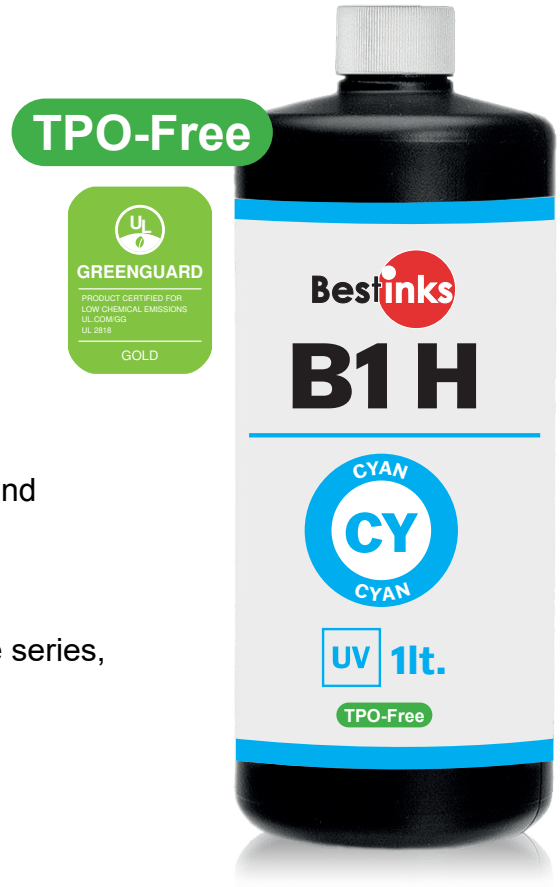
Bestinks

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UV PRO

# B1 H

## UV CURABLE INKS




**B1 H** UV curable inks are optimized for lower temperature ink operation. **B1 H** is uniquely formulated to have excellent adhesion and flexibility on a wide array of digital graphic media. These inks are intended for jetting with high consistency, repeatibility and stability on systems based Ricoh G4/G5/G6, Dimatix Starfire series, Konica Minolta 1024i, 1024A and Seiko 508GS.

- **Wide color gamut**
- **Extremely reliable**
- **UV & water resistant without coating or lamination**
- **Exelllent mechanical performance**
- **Low temperature printhead operation**
- **(Between 38°C & 42°C)**
- **Compatible with Mercury Vapour and LED Lamps**

| | |
|---|---|
| 1lt. Bottle | |
| CY / MG / YE / BK / WH / VA / FL | |

## TYPICAL PHYSICAL PROPERTIES

| | | |
|---|---|---|
| **Viscosity (45° C)** | 7.8 - 9.0 | mPa*s/45C |
| **Surface Tension (25° C) CMYKLcLm** | 21.0 - 23.0 | mN/m |
| **Surface Tension (25° C) White, CL** | 24.0 - 26.0 | mN/m |
| **Cure Dosage** | 100 - 200 | mJ/cm² |
| **Specific Gravity CMYKLcLm** | 1070- 1090 | Kg/m³ |
| **Specific Gravity White** | 1120 - 1140 | Kg/m³ |

## LIGHTFASTNESS

| COLOR | RATING | COLOR | RATING |
|---|---|---|---|
| CYAN | 7 - 8 | LIGHT CYAN | 7 |
| MAGENTA | 7 | LIGHT MAGENTA | 6 - 7 |
| YELLOW | 7 - 8 | WHITE | 8 |
| BLACK | 8 | | |

**These data are referring to the Blue Wool Scale.**
**1** = Very poor lightfastness, **2-3** = Poor lightfastness, **4-5** = Fair lightfastness, **6** = Very good lightfastness, **7-8** = Excellent lightfastness.

## TEMPERATURE EXPOSURE & JETTING

Inks can be used in jetting equipment with temperatures up to 60°C. Prolonged exposure to temperatures above 55°C however, should be avoided as long term exposure to high temperatures can induce premature polymerization.

## OUTDOOR USE

Inks are designed for outdoor use and, with a suitable substrate and correct ink application, should withstand 1-2 year exposure. Laboratory tests passed the 2-year outdoor durability criteria (delta E of <10 using accelerated testing equipment).

## INCOMPATIBLE SOLUTIONS

Inks is NOT compatible when exposed to solvents for prolonged periods of time. Certain solvents may cause premature curing of the inks within the ink train and print head.

## FLEXIBILITY & ADHESION

Inks are formulated to achieve optimum adhesion on commonly used semi-rigid to flexible display graphics media. Certain display graphics media types such as cast acrylics, polycarbonate and other non-ionic surfaces can be problematic.

## INK STORAGE AND SHELF LIFE

These inks should be stored between 15° - 30°C (59° - 86°F). When stored properly inks have a 12 month shelf life.

***White ink will need agitation before placing into printer and during the use in ink train.**

## RECOMMENDED FLUSH

**UV Ink Train Conditioner** - Monomer based flushing fluid.

**UV Wiping Fluid** - Wiping fluid for servicing head nozzle plates - External use only.

**Warning: All UV Curable inks have limited compatibility with solvents. Adding solvents for any extended period of time into the ink train may cause premature curing.**

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La presente brochure può essere soggetta a variazioni in quanto in fase di revisione per cui è da intendersi SE&O.