

UV LETTERPRESS INKS

Midacure® LPUV Series



Application Fields

The **MIDACURE (LPUV)** series are UV Letterpress Inks especially designed for printing on variety of absorbent and non-absorbent substrates.

SPECIFICATIONS

- Solid Content %100
- Viscosity 250-350 (poise@25°C)
- Tack 15-25 (800 rpm@25°C)
- Finesse <5NPIRI
- Power Required 120 w/cm

PRODUCT KEY FEATURES

- High curing speed
- Over printable
- High Gloss
- Free flow rheology
- Low migration values
- Excellent adhesion to variety of substrates
- Excellent abrasion and scratch resistant
- Low mist at higher press speed

RECOMMENDED SUBSTRATES

A wide variety of pre-treated plastic substrates with Minimum surface tension of (38-45 Dyn/m) including:

- Polypropylene (PP, BOPP)
- Polyethylene (PE, LDPE, HDPE)
- Polyvinylchloride (PVC)
- Polystyrene (PS)
- Polyethylene Terephthalate (PET)
- polycarbonate (PC)
- Coated and uncoated papers and Board stocks

Additives

- LPUV-001: UV thinner to reduce viscosity (Recommended addition 2%-5%)
- LPUV-002: Curing aid to increase drying speed (Recommended addition 2%-5%)
- LPUV-003: Adhesion Promoter (Recommended addition 1%-5%)
- LPUV-051: Transparent ink used as an extender to be added as per printer's requirement

RANGE OF COLORS

Available in a full range of standard and specialty colours.

| COLORS | CODE | LIGHT FASTNESS |
|-------------------|-------------|----------------|
| Process Magenta | LPUV-100 | 4-5 |
| Process Magenta | LPUV-100H* | 7 |
| Warm red | LPUV-101 | 4-5 |
| Rubine Red | LPUV-102 | 5-6 |
| Orange | LPUV-200 | 4-5 |
| Process Yellow | LPUV-300 | 4-5 |
| Process Yellow | LPUV-300H** | 7 |
| Yellow | LPUV-301 | 5-6 |
| Green | LPUV-400 | 8 |
| Process Cyan | LPUV-500 | 8 |
| Process Blue | LPUV-501 | 8 |
| Reflex Blue | LPUV-600 | 3-4 |
| Violet | LPUV-700 | 4-5 |
| Purple | LPUV-750 | 4-5 |
| Rhodamine | LPUV-775 | 3-4 |
| Process Black | LPUV-800 | 8 |
| Opaque Black | LPUV-801 | 8 |
| Opaque White | LPUV-900 | N/A |
| Red 032 | LPUV-032 | 4-5 |
| Blue 072 | LPUV-072 | 3-4 |
| Transparent White | LPUV-051 | N/A |

*:Blue Wool Scale Range 1 through 8, where 8 is the best Light fastness value

**H: high light fastness

Storage

- The product should be kept away from heat source and direct sunlight to avoid any unwanted polymerization.
- The storage life under normal condition is nine months.

Note: BENZOPHENONE FREE version is available upon request