

# Labelcure HDL 65 Series

## Letterpress UV Printing Inks

Our UV Letterpress Ink system is designed to extend the parameters of your throughput and create major trends in the UV Letterpress printing sector utilizing high strength and high speeds. LABELCURE HDL is silicone free for perfect overprintability, lamination and the ultimate in true bonding without masking slip agents. Other enhancements include new free flow rheology and increased UV pigmentation to increase print density and transparency while lowering dot-gains. Generate a cleaner, sharper print with LABELCURE HDL – the next generation of UV Letterpress.

### Features

- + Non-Silicone
- + Laminatable, Hot-Stampable and Thermal Overprintable
- + Excellent Film Formation
- + High Strength and Adhesion to Difficult Surfaces
- + Free Flow Rheology
- + Highest Press Speeds Available
- + Low Misting
- + Superior Gloss and Laydown
- + Dense Pigmentations
- + Strong Thru-Cure in Highly Dense Blacks
- + Chemical and Abrasion Resistance

### Substrates

(Note: 38+ Dyne Level Recommended. Corona treat as required)

- + Polyolefins (BOPP, PE, PP, LDPE, HDPE)
- + Coated and Uncoated Paper and Board Stocks
- + Polyethylene Terephthalate (PET)
- + Nitrocellulose
- + Mylar
- + Polyvinyl Chloride (PVC)
- + Polycarbonates
- + Highly Plasticized Vinyl and Polystyrenes
- + Primed or Top-Coated Metalliz

### Environmental Benefits

LABELCURE HDL is formulated completely with free radical based UV components. Along with decreased regulations for energy curable versus conventional systems, LABELCURE HDL is a safer product for the environment

- + Free Radical Chemistry
- + Low Odor and Extractable Levels
- + <1% VOC's
- + Safer 2nd Generation UV Components
- + Ensure good ventilation when spraying gear lubing
- + Surface Energy of 38+dynes/cm. Adequate fresh in-line treatment to blow off migrating plasticizers and contamination from other sources.

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### Color Availability

LABELCURE HDL SERIES contains new cleaner, transparent pigmentations specifically formulated for UV Letterpress. This approach allows the LABELCURE HDL system hassle free color matches along with the ability to achieve a wider color spectrum. LABELCURE HDL Process and Hexachrome inks can be formulated to print to the density and dot-gain you require.

- + Full PANTONE® Product Line
- + Full Metallic Product Line (2-Part System/ 1-Part available on Request)
- + Full Fluorescent Product Line
- + Automotive Grade Fade Available

### Profitability Enhancements

Due to the non-silicone nature of the LABELCURE HDL, a highly universal ink system is now available and can be used for most applications without bonding to laminates or adhesives. LABELCURE HDL also provides 10-20% stronger densities with print speeds up to 30% faster.

- + Universal System
- + Higher Press Speeds
- + Reduction of Ink Usage through Thinner Ink Films

### Selected Applications

- + In-Mold Labeling
- + Pressure Sensitive Labels
- + Cut and Stack Printing

| Description              | Product # | Description              | Product # |
|--------------------------|-----------|--------------------------|-----------|
| <b>Process Yellow</b>    | 6501      | <b>Rhodamine Red F/R</b> | 6541      |
| <b>Process Magenta</b>   | 6502      | <b>Purple</b>            | 6550      |
| <b>Process Cyan</b>      | 6503      | <b>Violet</b>            | 6555      |
| <b>Process Black</b>     | 6504      | <b>Reflex Blue</b>       | 6560      |
| <b>Opaque White</b>      | 6505      | <b>Process Blue</b>      | 6570      |
| <b>Ultra Dense Black</b> | 6507      | <b>Green</b>             | 6580      |
| <b>Yellow</b>            | 6510      | <b>Mixing Black</b>      | 6590      |
| <b>Yellow F/R</b>        | 6511      | <b>Extender</b>          | 6595      |
| <b>Warm Red</b>          | 6520      | <b>012 Yellow</b>        | 65012     |
| <b>Warm Red F/R</b>      | 6521      | <b>021 Orange</b>        | 65021     |
| <b>Rubine Red</b>        | 6530      | <b>032 Red</b>           | 65032     |
| <b>Rubine Red F/R</b>    | 6531      | <b>072 Blue</b>          | 65072     |
| <b>Rhodamine Red</b>     | 6540      |                          |           |

### ADDITIVES

|                            | Product # | Recommended % as Needed  |
|----------------------------|-----------|--------------------------|
| <b>Letterpress Reducer</b> | U1038     | 0-6%                     |
| <b>Thru-Cure Initiator</b> | U1018     | 0-4% (non-opaque whites) |

**EXPERTLY DONE.**