



LUSTERCURE® LC 3000L GLOSS

PRODUCT DESCRIPTION

Lustercure LC-3000L is a low viscosity; UV curable clear coating designed to be used via flexographic, gravure, roller coater or blanket coater applications. LC-3000L is recommended to be used where the end use application calls for a clear coating with excellent mar, chemical and moisture resistance. Adhesion to paper, foil and vinyl substrate is very good.

RECOMMENDED SUBSTRATES

LC-3000L is great for use on Pressure Sensitive Labels, Post Cards, Folding Cartons, and Corrugated Boxes.

PHYSICAL PROPERTIES

Appearance:	Slightly Hazy Clear Liquid
Odor:	Mild Acrylic
Solids:	100%
Weight/U.S. Gallon:	8.8 - 9.0 lbs approx.
Viscosity:	100-150 cps at 25°C
Flash Point:	Greater than 200°F (93°C)
Shelf Life:	6 months at 77°F

DIRECTIONS FOR USE

Pretest for adhesion to all substrates prior to production printing, as well as, other properties to determine suitability. Mix well prior to each use.

Equipment- Should be cleaned before and after use to avoid contamination.

Shielding- UV coatings are sensitive to casual UV sources (sunlight, fluorescent lamps, etc.)

Contact- With Copper or copper alloys should be avoided.

Inks- Conventional inks under coatings should be free of waxes, silicones, and other anti-scuff additives.

Press Wash Up- A special high flash point wash containing no hydrocarbon solvents should be used, such as KOLORCURE'S UVW-90 FLEXO WASH.

ADDITIVES

To increase curing speeds add Activator #3 (Sensitizer).

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CURING AND CURING EQUIPMENT

Lustercure LC-3000L cures in air upon brief exposure to a focused high intensity ultraviolet light source. A standard 200-300 watt per inch medium pressure mercury vapor lamp should be used. For an optimal cure a 150-200 millijoule window is required. In addition faster curing speeds can also be achieved by adding 3-5% liquid sensitizer.

FILM THICKNESS

Recommended .02 mil (5 microns).

COVERAGE

Lustercure LC-3000L will yield an average of 8200 square feet per gallon or 1.2 pounds per 1000 square feet.

STORAGE AND HANDLING

All KOLORCURE photopolymer inks and coatings should be stored in a cool dry area: 80°F (27°C) or below. Keep these inks and coatings away from direct sun light and indirect white light. Do not use these inks and coatings in areas having fluorescent lights overhead. Keep these inks and coatings away from internal heat sources.

SPECIAL NOTES

All UV inks and coatings are sensitive to contamination. Use only new screens or those previously used for UV printing. Do not add any conventional ink or solvents to the inks. They are most likely not compatible and will destroy all properties.

WARNING

The use of goggles, gloves, and protective clothing is recommended. Avoid prolonged breathing of vapors. Contact of liquid material with the skin may be irritating; wash exposed area thoroughly with soap and water. Contact of liquid with the eyes may cause injury - effects may be delayed; flush eyes with large amounts of water for 15 minutes and call a physician. Like most polymers, the properly -cured resins are considered largely inert.

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