

PHOTOCURE SR

SBQ Direct Emulsion



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Features/Application

- Pre-sensitized emulsion, ready-to-use. No diazo required
- User friendly thanks to wider exposure latitude.
- High resolution emulsion for reproduction of detailed and fine images
- Long shelf life.
- Suitable for PCB, plastic, paper printing applications.
- Suitable for solvent based inks and UV inks.

Specifications

- Viscosity...Approx. 4500mPa·s(25°C)
 - Solid Contents...Approx. 36%
 - Packaging Standard...1kg, 5kg, 200kg
- ※Contact us for custom packaging.

Solvent Resistance Rating

Solvent	Rating	Solvent	Rating
Water	Poor	Methyl Cellosolve	Poor
Toluene	Good	Isophoron	Good
Acetone	Fair	Ethylene Glycol Dimethyl Ether	Poor
Ethyl Acetate	Fair	Isopropyl Alcohol	Good
Butylcellosolve	Good	Methyl Ethyl Ketone	Fair
N-Methyl Pyrrolidone(NMP)	Poor	Butyl Carbitol Acetate	Good
Butylacetate	Fair	Terpineol	Good
Cyclohexanone	Fair	Methanol	Poor

※24hours swelling/absorption test results.

Instructions

- Wash, degrease and dry screen mesh. Remove grease and foreign contaminants with MSP cleanser.
- Coat emulsion slowly in order to prevent air bubbles.
- Dry coated screen completely before exposure. Drying temperature up to 40°C(104°F).
- Avoid excessive temperature for drying screens.

[Remarks]

- Keep the emulsion in a cool and UV light safe area.
- Recommended to filter remaining emulsion with screen mesh before pouring it back into the container to remove any dust, foreign substances and air bubbles.

Exposure Data

Screen mesh, Color	E.O.M. (μm)	3kW Metal Halide lamp
		UV42 intensity: 12mW/cm2
Polyester 59/cm (150/inch) W	15	60~70 sec.
Polyester 100/cm (250/inch) Y	15	90~110 sec.
Polyester 120/cm (300/inch) Y	10	55~65 sec.

※ The above is for guideline purposes only. Please use a gray scale exposure calculator to identify the optimal time.

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