

PHOTOCURE SR

SBQ Direct Emulsion (Non-diazo type)

Features/Application

- One pot presensitized emulsion, ready-to-use. No diazo required.
- User friendly thanks to wider exposure latitude.
- Superb resolution, and sharp image definition for fine precision printing applications.
- Long shelf life.
- Suitable for PCB, plastic, paper printing applications.
- Suitable for solvent based inks and UV inks.

Specifications

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

Solvent Resistant Rating

Solvents	Rating	Solvents	Rating
Water	×	Methyl Cellosolve	×
Toluene	○	Isophoron	○
Acetone	△	Ethylene Glycol Dimethyl Ether	△
Ethyl Acetate	△	Isopropyl Alcohol	○
Butylcellosolve	○	Methyl Ethyl Ketone	△
N-Methyl Pyrrolidone(NMP)	×	Butyl Carbitol Acetate	○
Butylacetate	○	Dimethylformamide	×
Cyclohexanone	×	Methanol	×

○ : Good △ : Fair × : Not recommended ※24hours absorption test result



MURAKAMI CO., LTD.

◆ 5-3-10 Yokokawa, Sumida-ku, Tokyo Japan
URL <http://www.murakami.co.jp/english/index.html>

Instructions

- Wash the screen mesh and remove grease and foreign contaminants with MSP cleanser.
- Coat slowly as possible as you can to prevent air bubbles.
- Dry coated screen at the temperature of 104° F (40°C) completely before exposure.
- Emulsion against temperature but it is better not to dry at high temperature in view of accuracy of dimensions.

【Remarks】

- It is recommended to filter the mixed emulsion with screen mesh before pouring back into scoop coater to remove any dust, foreign contaminants and air bubbles.
- Please store emulsion at cool and UV light free place.

Exposure Data

Screen Mesh Count/Diameter/Color	E.O.M.	3kW Metal Halide lamp 100cm
		UV42 intensity: 12mW/cm2
Polyester 59/48 φ/W	15 μm	60~70 sec
Polyester 100/40 φ/Y	15 μm	90~110 sec
Polyester 120/34 φ/Y	10 μm	55~65 sec

※ This is guidelines only and please use a gray scale calculator to locate the optimized exposure time.

SEM

