

PHOTOCURE PRO

Diazo Dual Cure Type Solvent Resistant Emulsion



MURAKAMI CO., LTD.

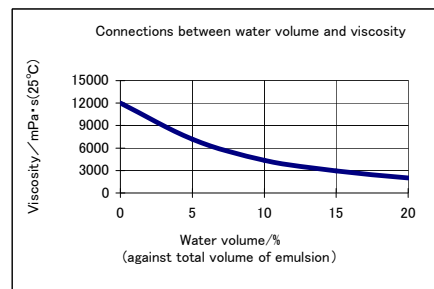
◆ 5-3-10 Yokokawa, Sumida-ku, Tokyo Japan
 URL <http://www.murakami.co.jp/english/index.html>

Features/Application

- Tack free & smooth surface
- Excellent resistance to both water and solvent inks.
- Easy to reclaim.
- Superb resolution, and sharp image definition for fine image reproduction.
- Suitable for fine line graphic image, tight tolerance jobs & PCB patterns.
- Suitable for solvent based inks, UV inks and water based UV inks.

Specifications

- Color ... Blue
 - Viscosity...12000mPa·s(25°C)
 - Solid Contents...38%
 - 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	△		

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

How to use

- Wash and degrease the screen mesh with MSP cleanser.
- Dissolve provided diazo with water, 10% equivalent to emulsion volume. Pour into emulsion and mix it well.
- Leave the mixed emulsion for a day. Or for immediate use, filter emulsions with 250 or higher mesh to prevent fisheyes or air bubbles.
- Coat slowly as possible as you can to prevent air bubbles.
- Dry the coated screen completely at the temperature of 40°C (104° F) or lower before exposure.

【Preservation】

- Store the mixed emulsion in a cool and UV light safe area and use it up within 2 weeks.
- It is recommended to filter the mixed emulsion with screen mesh before pouring back into scoop coater to remove any dust, contamination and air bubbles.

Exposure Data

Screen Mesh Count/Diameter/Color	EOM	3kW Metal Halide lamp 100cm UV42 intensity: 12mW/cm ²
Polyester 79/48 φ /W	15 μm	120~150 sec
Polyester 100/40 φ /Y	15 μm	150~180 sec
Polyester 120/34 φ /Y	10 μm	90~120 sec
Polyester 140/34 φ /Y	2 μm	55~65 sec

※ This is a guideline only. Please use a gray scale calculator to find an optimum exposure time.

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