

SP-2040

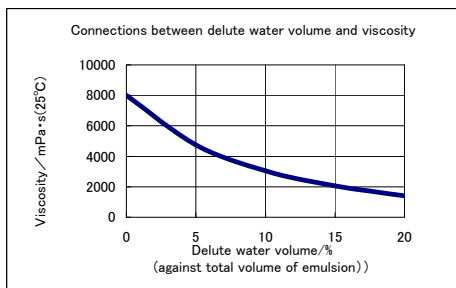
Diazo Type Direct Emulsion

Features/Application

- Reduced ink smearing or smudging on the press.
- Produces soft and flexible stencils, suitable for printing on rough, uneven or curved substrate.
- Superb resolution, and sharp image definition for finest image reproduction.
- Suitable for fine line graphic image, PCB patterns, nameplate.
- Suitable for solvent based inks and UV inks.

Specifications

- Viscosity...8000mPa·s(25°C)
 - Solid Contents...32%
 - Packaging Standard...5kg set
- ※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	×
Turpentine oil	○	Citrus based chemicals	○

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



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Instructions

- Wash the screen mesh and remove grease and foreign contaminants with MSP cleanser.
- Dissolve provided diazo with water, 10% equivalent to emulsion volume. Pour into emulsion and mix it well.
- Prior to use, let mixed emulsions stand 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 coated screen at the temperature of 104° F (40°C) completely before exposure.

【Remarks】

- To keep the mixed emulsion in a cool and UV light safe area and use it in 2 weeks.
- 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.

Exposure Data

Screen Mesh Count/Diameter/Color	EOM	3kW Metal Halide lamp 100cm UV42 intensity: 12mW/cm ²
Polyester 59/48 φ /W	15 μ m	180~210 sec
Polyester 100/40 φ /W	15 μ m	150~180 sec
Polyester 100/40 φ /Y	15 μ m	210~240 sec
Polyester 120/34 φ /Y	10 μ m	150~180 sec

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

SEM

