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Diazo Direct Type Photo Emulsion

MURAKAMI
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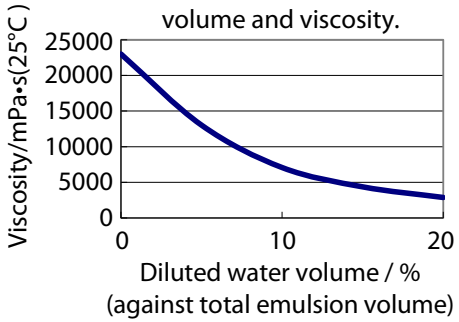
Features/ Application

- Applicable for High Solids Acrylic, Water Base, and Plastisol Inks.
- High solids content allows for excellent coating performance and creates an even stencil surface.
- Easy to reclaim imaged stencil with Murakami Super Strip-P.
- High resolution reproduction capabilities.
- Suitable for T-shirts, Textiles and including a wide range of industrial applications.

Specifications

- Viscosity…22,000mPa•s (25°C)
- Solids Contents. . .46%
- Packing Standard…1 Gal. (U.S.) 5 Gal. (U.S.) & 55 Gal. Drum (U.S.)

Connection between diluted water volume and viscosity.



Solvent Resistance Rating

Solvents	Rating	Solvent	Rating
Water	◙	Methyl Cellosolve	▲
Toluene	○	Isophoron	○
Acetone	▲	Ethylene Glycol Dinethyl Ether	▲
Ethyl Acetate	▲	Isopropyl Alcohol	◙
Butylcellosolve	○	Methyl Ethyl Ketone	▲
N-Methyl Pyrrolidone (NMP)	×	Butyl Carbitol Acetate	○
Butylacetate	▲	Dimethylformamide	×
Cyclohexanone	▲	Methanol	×
Turpentine Oil	◙	Citrus based chemical	◙

◙ • ○ : Good ▲ : Fair × : Not recommended

Instructions

- Wash the screen mesh and remove grease and any foreign contaminants with MSP cleanser.
- Dissolve provided diazo with water. Pour into emulsion and mix well.
- Mix diazo solution into emulsion and stir well with wooden stir stick.
- Prior to use let the mixed emulsion stand for a day. For immediate use filter emulsion with 250 mesh count or higher.
- Coat slowly with firm pressure to prevent air bubbles.
- Dry coated screen completely before exposure.

【Remarks】

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

Exposure Data

Screen Mesh	EOM (μm)	3kW Metal Halide Lamp (UV42 Intensity: 12mW/cm^2)
80/71 White	35	210-270 Seconds
150/48 White	10	90-105 Seconds
150/48 White	15	95-110 Seconds
250/40 White	15	100-130 Seconds

*This is a guideline only. Use an exposure calculator to determine the correct exposure time.

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