

PHOTOCURE WSR

Dual Cure Type Direct Photo Emulsion



MURAKAMI

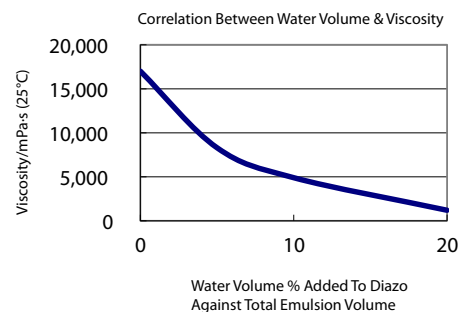
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Features / Application:

- Suitable for HSA inks and resistant against solvents used during the cleaning process.
- Applicable also for conventional water based ink and plastisol ink.
- High solids contents and high viscosity provide excellent coating performance and a flat surface with low Rz value.
- Possible to reclaim.
- High resolution emulsion for reproduction of detailed and fine images.
- Suitable for T-Shirts, Textiles etc., and a wide range of industries.

Specifications:

- Viscosity: Approx. 17,000 mPa·s (25°C)
- Solids Contents: Approx. 44%
- Packaging: 1 Gallon (U.S.), 5 Gallon (U.S.) & Drum Sizes Available.



Solvent Resistance Rating:

Solvent	Rating	Solvent	Rating
Water	○	Xylene	○
Kerosine	○	Isopropyl Alcohol	○
Turpentine Oil	○	Butylcellosolve	○
Citrus based chemical	○	N-Methyl Pyrrolidone (NMP)	×
Propylene glycol	○	Methanol	×
Dimethylformamide	×	-	-

○ · ○ : Good × : Not Recommended ✕ 24 Hour Absorption Test Results

Instructions:

- Wash the screen mesh and remove grease and foreign substances with MSP cleanser.
- Dissolve provided diazo with 10% water of emulsion volume. Do not use warm water.
- Mix diazo solution into emulsion.
- Prior to use, let mixed emulsions sit for one day. For immediate use, filter emulsion with 100/cm or higher.
- Coat emulsion slowly in order to prevent air bubbles from forming.
- Dry coated screen completely at temperatures up to 40°C (104°F) before exposure.

【Remarks】

- Keep the mixed emulsion in a cool and UV light safe area and use it within 1 week.
- It is recommended to filter the emulsion with screen mesh before returning from coating trough to remove any dust, foreign substances and/or air bubbles.

Exposure Data:

Screen Mesh / Mesh Color	EOM (μm) Coating Procedure	3kw Metal Halide Lamp (UV42 Intensity : 12mW/cm ²)
Polyester 80/100 White	35μm 1:1 Dull	180 ~ 210 sec.
Polyester 150/48 White	10μm 1:1 Dull	45 ~ 60 sec.
Polyester 150/48 Yellow	15μm 1:1 Dull	60 ~ 90 sec.
Polyester 250/40 Yellow	15μm 1:2 Sharp	60 ~ 90 sec.

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

SEM:

