PHOTOCURE WSR

Dual Cure Type Direct Photo Emulsion

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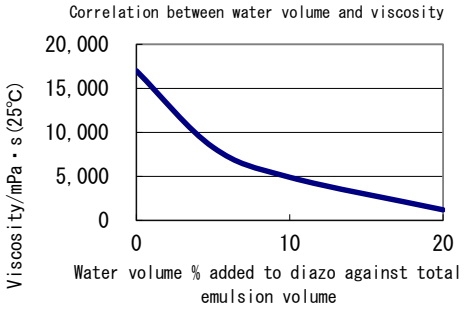
Features/Application

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

Specifications

- Viscosity…Approx. 17,000mPa・s(25℃
- Solid Contents…Approx. 44%
- Packing Standard…1kg & 5kg set

※Contact us for custom packaging



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 ※ 24hours 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. Please do not use warm water.
- Mix diazo solution into emulsion.
- Prior to use, let mixed emulsions settle for one day. Or for immediate use, filter it with 100/cm or higher.
- Coat emulsion slowly in order to prevent air bubbles.
- 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.
- Recommended to filter the emulsion with screen mesh before returning from coating trough to remove any dust, foreign substances and air bubbles.

Exposure Data

Screen mesh, Color	EOM (μm) Coating PROCEDURE	3kw Metal Halide Lamp (UV42 Intensity : 12mW/cm^2)
Polyester 31/cm (80/inch) W	35μm P↑↑S↑↑	180 ～ 210 sec.
Polyester 59/cm (150/inch) W	10μm P↑S↑	45 ～ 60 sec.
Polyester 59/cm (150/inch) W	15μm P↑S↑↑	60 ～ 90 sec.
Polyester 100/cm (250/inch) Y	15μm P↑↑S↑↑	60 ～ 90 sec.

※ The above is for guideline purposes only. Please use a gray scale exposure calculator to identify the optimal time.

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