

ADVANCE 20

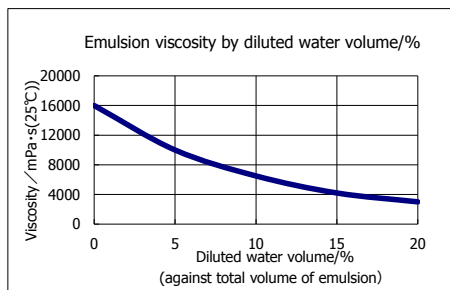
Dualcure Type Direct Emulsion

Features/Application

- Fast exposure premium dualcure type emulsion
- Excellent durability, superior solvent resistance
- Easy to reclaim, extended re-use of screen
- Superior resolution, sharp image definition for finest image reproduction
- Suitable for fine line graphic image, PCB patterns, nameplate and ceramic tiles
- Suitable for solvent based inks and UV inks

Specifications

- Viscosity: Approx. 15,000mPa·s(25°C)
- Solids Contents: Approx. 38.0%
- Packaging Standards: 1kg set, 5kgs set
※Contact us for custom packaging.



Solvent Resistance Rating

Solvent	Rating	Solvent	Rating
Water	Fair	Methyl Cellosolve	Good
Toluene	Excellent	Isophoron	Excellent
Acetone	Good	Ethylene Glycol Dimethyl Ether	Good
Ethyl Acetate	Excellent	Isopropyl Alcohol	Excellent
Butylcellosolve	Excellent	Methyl Ethyl Ketone	Good
N-Methyl Pyrrolidone(NMP)	Poor	Butyl Carbitol Acetate	Excellent
Xylene	Excellent	Terpineol	Excellent
Cyclohexanone	Excellent	Methanol	Fair

※24hours swelling/absorption test results.



MURAKAMI CO., LTD.

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

Instructions

- Wash, degrease and dry screen mesh. Remove grease and foreign contaminants with MSP cleanser.
- Dissolve provided diazo with 10% water of emulsion volume. Do not use warm water.
- Pour diazo solution into emulsion. Mix it well. Prior to a use, let mixed emulsions settle for one day.
Or for immediate use, filter it with screen mesh 100/cm or higher.
- Coat emulsion slowly in order to prevent air bubbles.
- Dry coated screen completely before exposure. Drying temperature up to 40°C(104°F).

Remarks

- Keep the mixed emulsion in a cool and UV light safe area. Use mixed emulsion within 2 weeks.
- Recommended to filter remaining emulsion with screen mesh before pouring it back into the container to remove any dust, foreign substances and air bubbles.

Exposure Data

Screen mesh, Color	E.O.M. (μm)	3kW Metal Halide lamp UV42 intensity: 12mW/cm ²
Polyester 59/cm (150/inch) W	2~3	40~55 sec.
	15	90~120sec.
Polyester 100/cm (250/inch) Y	2~3	55~70 sec.
	15	120 ~150 sec.
Polyester 120/cm (300/inch) Y	10	60~90 sec.
SUS 250-30φ	20	210~240 sec.
SUS 400-23φ	10	90~120 sec.

* The above is for guideline purposes only. Please use a grayscale exposure calculator to identify optimal exposure time.

*SUS;Stainress wire mesh

SEM

