

ONEPOT HighSense

Fast exposable photo emulsion designed for such "hard to expose" light source units as DLE or LED.

Features/Application

- Fast exposable emulsion for DLE (Digital Light Engraver)/LED
- Fast exposure emulsion and user friendly.
- Able to use as it is, but adding diazo will improve resolution and impression.
- High chemical resistance and high printing durability.
- By one coating, sufficient emulsion membrane is ready because of high solid content and it is flat surface stencil with low Rz value.

Specifications

- Viscosity...7,000mPa·s(25°C)
- Solid Contents...43%
- Packaging Standard... 5kg, 200kg
※Contact Murakami for custom packaging.

Exposure Data

Screen Mesh per cm/Diameter/Color	E.O.M. (μm)	Metal Halide Lamp* LED 405nm**
Polyester 120/34 Φ /Y	5	120~160 mJ/cm ² 60~80mJ/cm ²
Polyester 100/40 Φ /Y	15	160~200 mJ/cm ² 80~100mJ/cm ²

The above is for guideline purposes only.

Please use a grayscale exposure calculator to identify optimal exposure time.

*UV42 Intensity meter **AITEC SYSTEM UVM-100



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Instructions

- Use Murakami MSP cleanser to remove excess grease on mesh.
- Dissolve provided diazo with 2% water of emulsion volume.
Please do not use warm water.
- Prior to use, let mixed emulsions settle for one day.
Or for immediate use, filter it with 100/cm or higher.
- Coat slowly to minimize air contamination.
- Dry out the coated screen by fanned warm air at 40°C. (104°F)

【Remarks】

- Please filterate emulsion by mesh fabric for interval use.
- Please handle emulsion gently because of high sensitive emulsion.
- Keep the mixed emulsion in a cool and UV light safe area and use it within 1 week.
- Wearing protective equipment is required. Please confirm SDS for more details.
- To avoid the deterioration of screen,
please be caution for the use of ink and detergent containing the solvents mentioned below.
 - * N-Methyl Pyrrolidone(NMP)
 - * N,N-dimethylformamide
 - * Methanol
 - * Ethanol
 - * Ethylene Glycol
 - * Propylene Glycol

SEM

