ONEPOT XLDLE-2

SBQ Direct Emulsion
Highly sensitive emulsion for DLE/LED

MURAKAMI CO.,LTD.

Features/Application

- Highly sensitive emulsion designed for DLE(Digital Light Engraver) system
- Suitable for graphic image, PCB patterns, nameplate and Glass.
- Fast exposure emulsion and productivity improvement.
- High chemical resistance and high printing durability.
- Suitable for solvent based inks and UV inks.
- Able to use as it is, but adding diazo will improve resolution and impression.

Specifications

- Viscosity…4,000mPa･s（25℃）
- Solid Contents…34%
- Packaging Standard…1kg, 5kg
  *Contact Murakami for custom packinging.
- Dissolve provided diazo with water, 20cc equivalent to emulsion volume 1kg.
  Pour into emulsion and mix it well.

Exposure Data

Screen Mesh per cm/Diameter/Color	E.O.M. （μm）	Metal Halide Lamp* LED 405nm**
Polyester 120/34Φ/Y	5	160～200 mJ/cm^2 80～100 mJ/cm^2
Polyester 100/40Φ/Y	15	200～240 mJ/cm^2 100～120mJ/cm^2

The above is for guideline purposes only. Please use a grayscale exposure calculator to identify optimal exposure time. If you add diazo 1g/kg, please expose 1.2 times as a guide.

*UV42 Intensity meter **AITEC SYSTEM UVM-100

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 faned warm air at 40℃. (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
  * water

Microscope