

ONEPOT PROJECTION

SBQ Direct Emulsion (Non-Diazo type)

Features/Application

- Ultra-highly sensitive emulsion designed for DLE(Digital Light Engraver) system.
- Good for DLE system as well as Projection camera application.
- One Pot type and ready to use immediately. No need to mix diazo.
- High chemical resistance and high printing durability.
- Applicable to Solvent ink and Conventional UV Ink.

Specifications

- Viscosity...3500mPa·s (25°C)
 - Solid Contents...22%
 - Packaging Standard... 5kg, 200kg
- ※Contact Murakami for custom packaging.

Solvent Resistance Rating

Solvents	Rating	Solvents	Rating
Water	×	Methyl Cellosolve	×
Toluene	○	Isophoron	○
Acetone	△	Ethylene Glycol Dimethyl Ether	△
Ethyl Acetate	△	Isopropyl Alcohol	○
Butylcellosolve	○	Methyl Ethyl Ketone	△
N-Methyl Pyrrolidone(NMP)	×	Butyl Carbitol Acetate	○
Butylacetate	○	Dimethylformamide	×
Cyclohexanone	△	Methanol	×
Xylene	○		

○ : Good △ : Fair × : Not recommended ※24hours absorption test result



MURAKAMI CO., LTD.

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

Instructions

- Wash the screen mesh and remove grease and foreign contaminants with MSP cleanser.
- Coat slowly as possible as you can to prevent air bubbles.
- Dry coated screen at the temperature of 104° F (40°C) completely before exposure.
- Emulsion against temperature but it is better not to dry at high temperature in view of accuracy of dimensions.

【Remarks】

- It is recommended to filter the mixed emulsion with screen mesh before pouring back into scoop coater to remove any dust, foreign contaminants and air bubbles.
- Please store emulsion at cool and UV light free place.
- Please handle emulsion gently because of high sensitive emulsion.

Exposure Data

Screen Mesh Count/Diameter/Color	E.O.M. (μ m)	Recommended Exposure Condition	Exposure light source
Polyester 120/34 ϕ /W	3~5	60mJ/cm ²	3kW Metal Halide Lamp
Polyester 140/34 ϕ /Y	3~5	70mJ/cm ²	

※ This is guidelines only and please use a gray scale calculator to locate the optimized exposure time.

SEM

