

# ONE POT C2

SBQ Direct Emulsion



**MURAKAMI CO., LTD.**

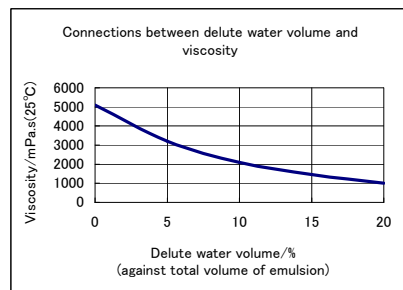
◆ 5-3-10 Yokokawa, Sumida-ku, Tokyo Japan  
URL <http://www.murakami.co.jp/english/index.html>

## Features/Application

- One pot presensitized emulsion, ready-to-use. No diazo required.
- Superb resolution, sharp image definition for finest precision printing applications.
- High density type emulsion, suited for easier coating and building flat surface profile of stencils.
- Extended shelf life, original quality preserved even with longer storage periods.
- Fast exposure emulsion, suitable for building up thick EOM.
- Suitable for solvent based inks and UV inks.
- Suitable for PCB, plastic, paper printing applications.

## Specifications

- Viscosity...5,000mPa·s (25°C)
- Solid Contents...38.0%
- Packaging Standard...1kg, 5kg, 200kg  
※Contact Murakami for custom packaging.



## Solvent Resistant 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             | ×      |                                |        |

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

## 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.

## Exposure Data

| Screen<br>Mesh Count/Diameter/Color | E.O.M. | 3kW Metal Halide lamp 100cm<br>UV42 intensity: 12mW/cm <sup>2</sup> |
|-------------------------------------|--------|---|
| Polyester 59/48 φ /W                | 15 μm  | 30~40 sec   |
| Polyester 100/40 φ /Y               | 15 μm  | 40~60 sec   |
| Polyester 120/34 φ /Y               | 10 μm  | 35~45 sec   |

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

## SEM

