SP-3000

Diazo Type Direct Emulsion

MURAKAMI CO.,LTD.
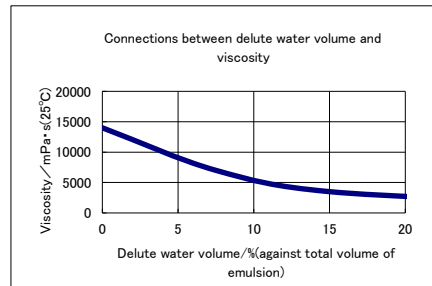
MU-COM

Features/Application

● Superb resolution, and sharp image definition for fine image reproduction.
● Low sticky on emulsion surface and excellent fitting to Film positive.
● Excellent resistance to solvents ensure printing durability.
● Easy to reclaim
＊ Please use Murakami Strip Super or Strip Super P for excellent reclaiming.
● Suitable for solvent based inks, and UV inks.

Instructions

· Wash the screen mesh and remove grease and foreign contaminants with MSP cleanser.

· Dissolve provided diazo with water, 10% equivalent to emulsion volume. Pour into emulsion and mix it well.

· Prior to use, let mixed emulsions stand for a day. Or for immediate use, filter emulsions with 250 or higher mesh to prevent fisheyes or air bubbles.

· Coat slowly as possible as you can to prevent air bubbles.

· Dry coated screen at the temperature of 104°F (40℃) completely before exposure.

【Remarks】

· To keep the mixed emulsion in a cool and UV light safe area and use it in 2 weeks.

· 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.

Specifications

· Viscosity···14,000mPa·s（25℃）
· Solid contents···24.5%
· Packaging Unit···1kg set・5kg set
　※Contact Murakami for custom packaging.

Connections between delute water volume and viscosity

Viscosity／mPa·s(25℃) vs Delute water volume/%(against total volume of emulsion)

Exposure Data

Screen Mesh Count/Diameter/Color	EOM	3kW Metal Halide lamp 100cm UV42 intensity： 12mW/cm^2
Polyester 59/48φ/W	15μm	150〜180 sec
Polyester 100/40φ/Y	15μm	180〜210 sec
Polyester 120/34φ/Y	10μm	120〜150 sec

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

Solvent Resistant Rating

Solvents	Rating	Solvents	Rating
Water	×	Methyl Cellosolve	△
Toluene	○	Isophoron	○
Acetone	△	Ethylene Glycol Dimethy 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

SEM