

# MS-DXW

Dualcure type Capillary Film



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## Features/Application

- Suitable for PCB, plastic, flat stocks, paper or plastic printing applications
- Flat surface profile, Low Rz value, superior dot to dot, line to line reproduction
- Consistent EOM value from screen to screen
- Fast stencil turnaround, simple application (capillary or direct/indirect method)
- Suitable for solvent based, UV inks or electronic pastes

## Specifications

<b>Emulsion Thickness</b>	15, 20,25,30,35μm
<b>Cut Sheet Size</b>	MAX640×640mm

\*Custom cut size available (min. order q'ty required. Contact us)

\*Emulsion to laminate for Direct/Indirect method: SP-9500 recommended

## Solvent Resistance Rating

Solvents	Rating	Solvents	Rating
Water	Fair	Methyl Cellosolve	Fair
Toluene	Good	Isophorone	Good
Acetone	Fair	Ethylene Glycol Dimethyl Ether	Poor
Ethyl Acetate	Good	Isopropyl alcohol	Good
Butyl Cellosolve	Good	Methyl ethyl ketone	Fair
N-methylpyrrolidone	Poor	Butyl carbitol acetate	Good
Butylacetate	Fair	Methanol	Poor
Cyclohexanone	Good	Terpineol	Good

※24hours swelling/absorption test results.

## Instructions

- Wash, degrease and dry screen mesh. Remove grease and foreign contaminants with MSP cleanser.
- Place cut film on flat work table, emulsion side facing up.  
On the top of cut film, place stretched screen (print side facing down) in a proper position.
- Spray water evenly over screen mesh from squeegee side. Tap the frame to spread water.
- Press film 1-2 times by the squeegee, then make a single squeegee stroke across the squeegee side.  
Wipe off any excess water.
- Dry it completely at temperatures up to 40°C(104°F) before exposure.
- For extended durability, SP-9500 emulsion to laminate MS-9500 (Direct/Indirect method).  
( Contact Murakami for more technical information about how to use Direct/Indirect method)

## 【Remarks】

- Keep MS-9500 in a cool UV light safe area and avoid high temperature and humidity.

## Exposure Data

Screen mesh, Color	Film Thickness /E.O.M. ( μ m )	*3kw methal halide lamp (UV42 Intensity : 12mW/cm2)
Polyester 100/cm (250/inch) W	20/10	90-120sec.
Polyester 100/cm (250/inch) Y	20/10	150-180sec.
SUS 157/cm(400/inch) CAL-φ19	15/5	90-120sec.
<b>Laminating process</b>	Manual : P↑S↑⇒ Lamine film↑⇒ S↑⇒ Drying	
	Machine : P↑S↑⇒ Lamine film↑⇒ S↑⇒ Drying	

\* Laminating emulsion: SP-9500, \* Machine: Automatic coating machine, \* P:Print side, S: Squeegee side

\* Capillary application with water only yields E.O.M. value less than direct/indirect method.

Consequently, exposure time will be faster. Take a step wedge test to locate optimum exposure time.

※ The above is for guideline purposes only. Please use a gray scale exposure calculator to identify the optimal time.