**Features/Application**

- Ready to use, Pre-sensitized capillary film (no diazo)
- 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 PCB, plastic, flat stocks, paper or plastic printing applications
- Suitable for solvent based, UV inks or electronic pastes
- Fast exposure time
- Long shelf life

### Specifications

<table>
<thead>
<tr>
<th>Emulsion Thickness</th>
<th>50, 100, 150 μm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cut Sheet Size</td>
<td>MAX 640mm x 640mm</td>
</tr>
<tr>
<td>Roll</td>
<td>Length 10m Width 640mm</td>
</tr>
</tbody>
</table>

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

*Emulsion to laminate for Direct/Indirect method: IK-50 recommended

### Solvent Resistance Rating

<table>
<thead>
<tr>
<th></th>
<th>Water</th>
<th>Methyl Cellosolve</th>
<th>Mehtaethylketone</th>
<th>Butyl Cellosolve</th>
<th>N-methylpyrrolidone</th>
<th>Cyclohexanone</th>
<th>Xylene</th>
<th>Tolune</th>
<th>PGMEA</th>
<th>Acetone</th>
<th>Ethyl Acetate</th>
<th>Isopropyl alcohol</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Poor</td>
<td>Poor</td>
<td>Good</td>
<td>Good</td>
<td>Poor</td>
<td>Good</td>
<td>Good</td>
<td>Fair</td>
<td>Good</td>
<td>Fair</td>
<td>Fair</td>
<td>Fair</td>
</tr>
</tbody>
</table>

### 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, use IK-50 emulsion to laminate MS-IK (Direct/Indirect method).
  
  (Contact Murakami for more technical information about how to use Direct/Indirect method)

### Remarks

- Keep MS-IK film in a cool UV light safe area and avoid high temperature and humidity.
- Store MS-IK roll in a vertically standing position.

### Exposure Data

<table>
<thead>
<tr>
<th>Screen mesh, Color</th>
<th>Film Thickness /E.O.M.</th>
<th>*3kw methal halide lamp (UV42 Intensity : 12mW/cm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyester 27/cm (70/inch) W</td>
<td>50/30</td>
<td>150-185sec.</td>
</tr>
<tr>
<td></td>
<td>100/80</td>
<td>185-220sec.</td>
</tr>
</tbody>
</table>

### Laminating process

- Manual: P ↑ S ↓ ↑ Laminate film ↑ ↓  Drying ⇒ S ↑ ↓
- Machine: P ↑ S ↓ ⇒ Laminate film ↑ ↓  Drying ⇒ S ↑ ↓


* 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.

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**MS-IK**

SBQ type Capillary Film

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**MURAKAMI CO., LTD.**

5-3-10 Yokokawa, Sumida-ku, Tokyo Japan

URL: http://www.murakami.co.jp/english/index.html

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**Remarks**

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**MS-IK**

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