

ONEPOT DIRECT

SBQ-Photopolymer Direct

Feature

- Ultra-highly sensitive emulsion designed for projection camera.
- High chemical resistance and high printing durability.
- Good for DLE(Digital Light Engraver) system.
- Ready to use, no need to mix diazo.

Specifications

- Viscosity...3500~5500mPa·s (25°C)
- Solid Content...24.5~28.5%
- Sales unit...1kg set • 5kg set

Chemical resistance

chemicals	evaluation	chemicals	evaluation
water	×	xylene	○
toluene	○	methyl ethyl ketone	△
acetone	△	butyl carbitol acetate	△
ethyl acetate	△	cyclohexanone	△
butyl cellosolve	○		

○ : good △ : maybe usable × : not recommended *24 hours soaking test



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Application

- Use MSP degreasing agent to remove excess grease on mesh.
- Mix emulsion gently and remove bubble before use.
- Viscosity is adjusted both for manual and auto coating.
Coat slowly for the best quality to avoid air contaminain.
- Dry out the coated screen by fanned warm air at around 40°C.
Avoid too much of heat for less image distortion.

【Remarks】

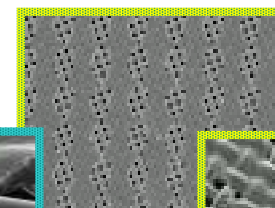
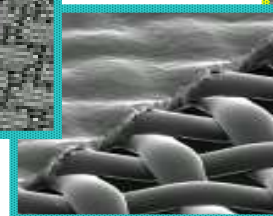
- Please filtrate emulsion by mesh fabric for interval use.
- Please store emulsion at cool and dark place.

Exposure Parameters

Screen Mesh	E.O.M. (μ m)	15w chemical lamp × 6, distance:30cm Illumination: UV-42sensor 0.2mW/cm2
Polyester150S(bias)W	10	270 ~ 300 sec.
Polyester250T(bias)W	5~7	210 ~ 240 sec.
Polyester300S(bias)W	3~5	150 ~ 180 sec.

※ Use a gray scale calculator to locate the optimized exposure time. Times in seconds
shown above are all general guidelines. E.O.M.= Emulsion thickness over the mesh

Electron Microscope



By DLE system

