

Photo Emulsion R-205



R-205 is a presensitized one component Photopolymer emulsion for the production of thick film of Screen Printing stencils.

R-205 can be made in excess 2 mm stencil.

■ Properties

Very high solids content and high viscosity.
Very fast exposure and brief development.
Good definition and solvent resistance.

■ Use of R-205

Handle **R-205** under subdued light conditions.
Dissolve the sensitizer with 0.1 kg water. Pour sensitizer solution into emulsion and mix it thoroughly. Mix dye and emulsion if you need colored emulsion.

■ Pre-Cleaning of screen

In order to get good adhesion between emulsions and screen, use a screen cleaner "SCREEN CLEANER EMC-58".

■ Coating

Coat the sensitized emulsion onto screen
(outer-side which touches directly object materials).
1. Stand screen vertically.
2. Coat once from bottom to top.
3. Turn up side of screen down.
4. Coat from bottom to top (opposite direction).

■ Drying

Dry coated screen in temperature not higher than 40°C for 15~20min.
After drying, the screen should be kept in a cool and dark room.
* Repeat these coating and drying operation until the emulsion becomes the thickness you need.

■ Exposure

Before production use, determine the correct exposure time for your work by some experiments.

■ Reference data

Emulsion Screen Color Mesh Thickness Exposure Time

EMULSION	SCREEN		THICKNESS	EXPOSURE TIME
R-205	Polyester 70mesh White	3kw Metal halide lamp	500μm	2min
			2mm	6min

※ Using Light source at 1 meter distance

■ Development

Immerse the exposed screen in water for a few minutes, wash it out with a low-pressure spray of water, and then dry it.
* Re-exposure after developing and drying makes screen emulsion stronger.

■ Please advise in freely.

■ SPEC We will revise & improve without informing

SCREEN PRINTING MACHINE & MATERIAL
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