



## IMS901

# PURECOAT RAPID RED EMULSION

## TECHNICAL INFORMATION AND APPLICATION INSTRUCTIONS

### PRODUCT INFORMATION

**IMS901 Purecoat Rapid Red** is a dual cure Diazo-Photopolymer emulsion designed to exhibit excellent resolution and mesh bridging while having outstanding water and solvent resistance. The red color gives this emulsion very fast exposure speed with great developing and reclaiming properties.

### PROCESSING RECOMMENDATIONS

- **Sensitizing:** Dual cure emulsions must be sensitized with a Diazo sensitizer (supplied) Add water to bottle of sensitizer (see sensitizer label for instructions) shake well and add to emulsion. Stir emulsion well and allow to settle so air bubbles have an opportunity to escape. After mixing store emulsion in a cool and dark place.
- **Mesh Preparation:** It is always recommended to degrease the mesh with a mesh degreaser (such as **IMS102 RFU degreaser**) and allowing screen to dry in a dust free environment prior to coating. This removes dust, and oil partials that may cause pin holes or fish eyes after exposure.
- **Coating:** Purecoat Rapid Red has very good coating properties. To determine the best coating techniques for your application you should test using the following guidelines. Using a round edge coating trough, always start on the substrate (**Print**) side of the screen. After applying 1 or 2 coats to the print side finish with wet on wet coats on the squeegee side to build the desired thickness. Allow to dry in a light safe, dust free environment. It is recommended to control humidity (25% to 40% recommended) and temperature (85F to 105F degrees recommended) with good air flow for best drying results.
- **Exposure:** A ultra-violet light source with a wavelength of 350 – 420 nm is recommended. Metal Halide lamps provide the best results. To find the optimum exposure time for your unit and application it is recommended to run an exposure calculator test. This procedure should be run weekly as bulbs will loose ultra-violet waves after hours of use. Underexposed screens will show color rinsing off the screen during developing. Overexposed screens will show detail loss and will be more difficult to develop. Develop using tap water lukewarm or colder with some pressure. Spray both sides of the screen until image is clear and blot off excess water to prevent residue from developing to clog openings.

### PACKAGING

- 1 Gallon    5 Gallon    55 Gallon

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