

11.170

EMULSIONS 170.

Applications

Pre-sensitized all-purpose Solvent and Water Resistant. Photopolymer emulsion.

Physical Properties

- Red Colored, also available in clear
- Ultra High Viscosity
- Ideal for High Density
- Virtually pinhole and fish eye free.
- Extremely Durable for long print runs
- Outstanding resolution and edge definition
- 45% solids
- Viscosity - 15,000 cps

Handling

Handle under yellow safelight conditions.

Sensitizing

EMULSIONS 170 is a one part emulsion that does not require a diazo to be added. Use straight from container.

Coating Procedure

Use a clean coating trough that has a smooth edge without nicks or burrs. Coating environment should be in a clean light safe area with 65% humidity level.

1. Apply one or two coats of emulsion to the print side.
2. Reverse the screen and apply one or two coats to the squeegee side.

To achieve user specific result, additional coats may be used.

Mesh Preparation

It is important to have a clean and dry screen before applying the emulsion. To achieve this use our degreaser 12.320.

Drying

Dry the screen in a horizontal position with the print side down in a clean dry room. Follow these guidelines to ensure complete drying:

- 30° to 40° C
- 30% to 50% relative humidity
- Good air circulation

*To achieve the desired humidity levels the use of a dehumidifier is recommended

Exposure

For best results use an exposure calculator to determine the exact exposure time. Proper exposure is determined by a number of conditions such as clean film positives, mesh color, emulsion emulsion type, emulsion thickness and exposure unit type.

Approximate Exposure Times			
Mesh	Color	Seconds	
34	White	35	55
43	White	30	45
77	Yellow	30	45
120	Yellow	25	35
140	Yellow	20	30
Metal Halide Lamp		8K	5K

Note: Above times are based on using a screen coated 2/2.

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Technical Data Sheet

Washout

Gently spray both sides of the screen with water. Wait a moment to allow the emulsion to soften. Wash print side of the screen until the image is fully open. Rinse both sides thoroughly and dry. A vacuum can be used, on the squeegee side, to accelerate drying.

Reclaiming

Eliminating the emulsion is simple. It can be done with a concentrated remover or with powder.

12.370 powder remover.

12.380 concentrated remover.

Storage

Store the emulsion in a cool dry place. Unopened emulsion has a shelf life of one year when stored properly. Coated screens will last up to 30 days with good results when stored correctly.

- 59° to 77° F (15° to 25° C)

- 40% TO 60% humidity.

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The information supplied is a result of our updated knowledge; it is supplied with good intention but under no circumstances it can be taken as a guarantee. Moreover, taking into account the great diversity of printable materials, the diversity of machinery and procedures to carry out the jobs, it is the user's responsibility to check the suitability of our products to obtain the objectives he desires, with the resources and procedures he has. The user must also be make sure he complies with the current legislation, situation of patents and third party rights when applicable.

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