

11.114

EMULSIONS 114.

Applications

Diazo sensitized emulsion for Plastisol, Discharge, and Water Based inks. Ideal for use with Phthalate compliant ink systems.

Physical Properties

- Blue Colored, also available in Clear
- Extremely Durable for long print runs
- 41% solids
- Superior Solvent resistance to Aerosol Screen
- Openers

Handling

Handle under yellow safelight conditions.

Sensitizing

Mix sensitizer according to the instructions on the bottle. Pour the solution into the emulsion and mix thoroughly. Let the emulsion stand for 2 hours to let the air bubbles release from the emulsion.

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	75	110
43	White	55	75
77	Yellow	40	60
120	Yellow	25	45
140	Yellow	22	40
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)

- 30% TO 50% humidity.

12/2017

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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