

# SCREEN-SOL RM BLU

Code: AM100002



## PRODUCT DESCRIPTION

DIAZO photoemulsion for the preparation of screens for textile screen printing.

## APPLICATION FIELDS

Photoemulsion indicated for textile water based and plastisol inks for flat printing.

## GENERAL & TECHNICAL FEATURES

- DIAZO photoemulsion
- Colour: Blue
- Good mechanical resistance
- Fast exposing time with a wide range of lamps
- Solid content: 29 %
- Viscosity: about 11.000 cps (25 °C)

## SENSITIZE

Make sure you always work in an area with yellow light. Add demineralized water to diazo-sensitizer and shake well, then mix the whole dose with **SCREEN-SOL RM BLU**.

De-aeration time: at least 2 hours.

## APPLICATION

The ideal application is according to the mesh type, ink used and the RZ value that you want to obtain.

As a general indication, we suggest you to apply 1 or 2 coats of emulsion on the external face of the screen and 1 or 2 coats on the internal face.

Apply **SCREEN-SOL RM BLU** on clean, degreased and dry mesh.

POT LIFE of the sensitized photoemulsion: 4-6 weeks, if kept in a cold (4-12 °C) and dark place.

## DRYING

At 30-35°C for 40-60 minutes according to the coating thickness.

## EXPOSURE

Lamp type, distance from lamp to screen, mesh type and coating thickness can affect exposure time.

To determinate the correct exposure time, we suggest to make some test with **AMEX EXPOSURE CALCULATOR**.

Our suggestion:

- Mesh: 62 Th/cm
- Lamp: UV metal-halogen 5000 W.
- Distance: 1 mt
- Application: 1-2 int. coats / 1-2 ext. Coats
- Exposure time: 55 seconds

## DEVELOPMENT

At room temperature, dip the screen into water for 5 minutes then rinse it.

After dry it in an oven at 35°C.



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## RETOUCHING

After development is possible to retouch the screen using **SCREEN-CHEM FILLER** or with the sensitized emulsion. In this case is needed to re-expose the screen for 60 seconds.

## CATALYSIS

To increase the chemical and mechanical resistance of the photoemulsion for long printing runs, we suggest to use **SCREEN-CHEM CATALYST SPECIAL**.

The so treated screen may be used after:

- 12 hours, if dried at room temperature
- 45 minutes, if dried into air oven at 50°C

Note: once the catalyst is applied the catalysed screen cannot be recovered anymore.

## RECLAIMING

For this purpose you can use **SCREEN-CHEM STRIP** according to the instructions given in the product's technical data sheet.

## SHELF-LIFE

If stored in its original container at a temperature between 15 and 25°C **SCREEN-SOL RM BLU** will preserve its features for about 1 year from the date of production

## SPECIAL INSTRUCTIONS:

1. It is always better to test the performance of the product before starting the application
2. The sensitizer must be stored at a temperature of about 5°C. In these conditions, the product has a shelf-life of about 1 year.
3. The sensitized emulsion, if stored at a temperature of about 4°C– 12°C, has a pot life of 4-6 weeks.



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