



# SCREEN-SOL 400 BLU

Code: AM100006

## PRODUCT DESCRIPTION

PRE-POLYMER DIAZO "multipurpose" photoemulsion, indicated for the preparation of screens for textile/graphic printing

## APPLICATION FIELDS:

Photoemulsion indicated for:  
High resistance to solvent based and UV inks as well for water based and plastisol.

## GENERAL & TECHNICAL FEATURURES

- DUAL CURE Photoemulsion
- Colour: Blue
- It can be engraved after 2 months from the application
- Excellent chemical and mechanical resistance
- High definition up to 150 mesh
- Solid content: 34 %
- Viscosity: about 18.000 cps (25 °c)

## SENSITIZE

Make sure you always work in an area with yellow light.  
Add water to diazo-sensitizer and shake well, then mix the whole dose with **SCREEN-SOL 400 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 400 BLU** on dean, degreased and dry mesh.

POT LIFE of the sensitized photemulsion: 1 month, 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: 120Th/cm
- Lamp: UV metal-halogen 5000W
- 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 through a water jet with medium pressure.  
After dry it in an oven at 35°C.



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Amex srl gives the a/m suggestions as guidelines for the customer and assumes no liability direct or indirect for any improper use. It is the user's responsibility to determine the suitability of the product to the intended use according to working conditions.

### 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 if large printing runs are required and 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: the catalyzed photoemulsion may not be reclaimed anymore.

### RECLAMING

For this purpose you can use **SCREEN-CHEM FILLER** 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 400 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–10°C, has a pot life of 4 weeks.



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