



# SCREEN-SOL GK BLU

Code: AM100010

## PRODUCT DESCRIPTION

PRE-POLYMER DIAZO photoemulsion, for the preparation of screens for Glass and Ceramic screen printing.

## APPLICATION FIELDS

Photo-emulsion indicated for:  
High resistance to water based and solvent based abrasive enamels.

## GENERAL & TECHNICAL FEATURURES

- Dual Cure Photoemulsion
- Colour: Blue
- Excellent abrasion resistance
- Excellent chemical and mechanical resistance for glass and ceramic screen printing
- High definition up to 150 mesh
- Long running performance
- Solid content: 46 %
- Viscosity: about 30.000 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 GK 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 GK BLU** on clean, degreased and dry mesh.

POT LIFE of the sensitized photoemulsion: 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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## 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.

## 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 GK 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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