



SCREEN-SOL QT BLU

Code: AM100013

PRODUCT DESCRIPTION

PRE-POLYMER DIAZO photoemulsion for the preparation of screens for textile screen printing.

APPLICATION FIELDS

Photoemulsion indicated for water based inks, plastisol inks, PVC free plastisol inks and solvent based inks.

GENERAL & TECHNICAL FEATURURES

- DUAL CURE Photoemulsion
- Colour: Blue
- Excellent resistance to plastisol and solvent based inks
- Good resistance to water based inks
- Easy to reclaim
- Very high definition
- Solid content: 40 %
- Viscosity: around 15.000 cps (25 °C)

SENSITIZE

Work always in a dark room or with yellow light.
Add distilled water to diazo-sensitizer and shake well, then add the whole dose with the emulsion **SCREEN-SOL QT BLU**. Mix well.

De-aeration time: at least 2 hours.

APPLICATION

The ideal application is according to the mesh type, the 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 side of the screen and 1 or 2 coats on the internal side.

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

POT LIFE of the sensitized photoemulsion: 1 month, if kept in a dark and cold (4-12 °C) 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 the water for 5 minutes then rinse it through a water jet with medium pressure.

Dry it in an oven at around 35°C.



Tel. + 39 031 931923
www.amexsrl.com

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 around 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, **SCREEN-CHEM STRIP** can be used according to the instructions given in the product technical data sheet.

SHELF-LIFE

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

SPECIAL INSTRUCTIONS:

1. It is recommended 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.



Tel. + 39 031 931923
www.amexsrl.com