SCREEN-SOL
HS ONE

Code: AM100017

PRODUCT DESCRIPTION

PURE POLYMER photoemulsion, for the preparation of screens for screen printing. Specially indicated for computer to screen LED exposing units.

APPLICATION FIELDS

Photo-emulsion indicated for:
Textile plastisol, solvent based and water based inks for flat printing. Specially indicated also for printing on glass.

GENERAL & TECHNICAL FEAUTURES

- Pure Polymer photoemulsion
- Very fast exposure
- Colour: Light Blue
- Ready to use (without sensitizing)
- Excellent resistance to plastisol and solvent based inks
- Good resistance to water based inks
- Solid content: 44 %
- Viscosity: about 10.500 cps (25 °c)

SENSITIZE

Make sure you always work in an area with yellow light.
SCREEN-SOL HS ONE is READY TO USE without any sensitizer
Diazo sensitizer could be an option for use it with water based inks and discharge inks.

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 HS ONE** on clean, degreased and dry mesh.

DRYING

At 30-35°C for 40-60 minutes according to the coating thickness.
Use a dehumidifier in the drying area if possible.

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: 55 Th/cm
- Lamp: UV metal-halogen 5000W
- Distance: 1 mt
- Application: 2 int. coats / 2 ext. Coats
- Exposure time: 30 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 Pure Polymer photo-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 of maximum 20°C **SCREEN-SOL HS ONE** will preserve its features for about 1 year from the date of production.

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