



SCREEN-SOL HS 900

Code: AM100007

PRODUCT DESCRIPTION

PURE POLYMER photoemulsion, for the preparation of screens for screen printing

APPLICATION FIELDS

Photoemulsion indicated for:
High thickness printing with specific inks (UV, Plastisol etc..)

GENERAL & TECHNICAL FEATURES

- PURE POLYMER photoemulsion
- Colour: Light Blue
- Ready to use (without sensitizing)
- Excellent resistance to plastisol, solvent and UV inks
- Good resistance to water based inks
- Allows wet-on-wet applications, in order to increase thickness
- Solid content: 47 %
- Viscosity: about 40.000 cps (25 °c)

SENSITIZE

Make sure you always work in an area with yellow light.
SCREEN-SOL HS 900 is READY TO USE without any sensitizer

APPLICATION

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

The recommended range of mesh is from 15 Th/cm to 90 Th/cm.

Apply **SCREEN-SOL HS 900** on clean, degreased and dry mesh.

To obtain high thickness screens there are 2 methods:

FIRST METHOD

Apply 2 consecutive coats on both sides of the screen and dry it in the oven at 30-35°C.

Then apply 2 consecutive coats only on the printing side every time with intermediate drying of 10-15 minutes to get the desired thickness. Final dry for at least 1-2 hours according to the applied thickness.

SECOND METHOD

To obtain a good thickness (200-300 microns) with fabrics 12-34 threads we tested a faster way:

on dry and degreased screen apply consecutively 8-10 hands of **SCREEN-SOL HS 900** on the squeegee side: in such way the photo-emulsions is pushed out on the printing side. Put the screen to dry in horizontal position with the printing side turned downward and proceed to the final drying

DRYING

After application dry in ventilated oven, in horizontal, at 30-35°C for 60-120 minutes according to the thickness applied.



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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: 24 Th/cm
- Lamp: UV metal-halogen 5000W
- Distance: 1 mt
- Exposure time: Rule of thum is 30 seconds for each emulsion coat.

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.

The screen is ready to print. To obtain a stronger screen and higher printing resistance expose again the screen for 3-5 minutes to 5000W halogen.

RETOUCHING

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

RECLAMING

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 900** will preserve its features for about 1 year from the date of production.



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