



SCREEN - SOL HS 3 CTS

Code: AM100017

PRODUCT DESCRIPTION

PURE POLYMER photoemulsion, for the preparation of screens for screen printing with CTS system (DLE)

APPLICATION FIELDS:

Photo-emulsion indicated for:

Uv inks, solvent based and water based inks for flat printing.

GENERAL & TECHNICAL FEATURES

- PURE POLYMER photoemulsion
- Colour: Green
- Ready to use (without sensitizing)
- Excellent resistance to UV and solvent based inks
- Good resistance to water based inks
- Solid content: 44 %
- Viscosity: about 10.000 cps (25 °c)

SENSITIZE

Make sure you always work in an area with yellow light.

SCREEN-SOL HS 3 CTS 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 3 CTS** 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.

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.

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 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.



Tel. + 39 031 931923

Website: www.amexsrl.com

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 HS 3 CTS** 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.



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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.