

SCREEN-SOL ROTO

Code: AM100008



PRODUCT DESCRIPTION

Photo-emulsion for the realization of rotary textile cylinders

Speed 1-1,30 min/mt.

- Manual application, from bottom to top.
Dilute with 10-15% of distilled water.

APPLICATION FIELDS

Photo-emulsion indicated for :
Textile water based inks for roto-printing

After dilution leave for a few hours to let off air bubbles.
Apply **SCREEN-SOL ROTO** on clean, degreased and dry cylinders.
Pot life of the sensitized emulsion: 48 hours.

GENERAL & TECHNICAL FEATURES

- ROTARY photo-emulsion
- Colour: Red or Blue
- To be sensitized with Chrome Salt
- Excellent mechanical and chemical resistance
- Excellent definition
- It could be exposed through FILM, WAXJET and LASER ABLATION (CO₂) engraving systems
- Solid content: 39%
- Viscosity: about 15.000 cps (25 °c)

DRYING

25-30°C for at least 1 hour.
If the cylinders are stored in a cold and dark place they can be used for maximum 24 hours after emulsion application and drying.

EXPOSURE

The exposure time depends on the quantity of photo-emulsion applied and on the design.
This photo-emulsion is indicated for engraving with the following systems:

SENSITIZE

Stir thoroughly and, slowly, add 10% Dichromate Solution*, mixing until homogenous. Dilute with distilled water according to the method of application.

- Film
- WaxJet
- LASER ABLATION (CO₂) systems

APPLICATION

- Machine application, single squeegee from top to bottom.
Dilute with 30-35% of distilled water.
Speed 10-12 min/mt.
- Machine application, double squeegee from top to bottom.
Dilute with maximum 5% of distilled water.

DEVELOPMENT

In water at room temperature. Clean the inside of the cylinder with a wet sponge and wash with a shower inside and outside thoroughly.
Then place the cylinder in an oven to dry at maximum 35°C or leave it at room temperature until is completely dried.

POLYMERIZATION



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In the oven at 180-200°C for at least 1 hour.
Time and temperature effective.

RECLAIMING

Is possible only if the cylinder before polymerization, using the specific product (**SCREEN-CHEM STRIP**).

SHELF-LIFE

If stored in its original container at a temperature between 15 and 25°C **SCREEN -SOL ROTO** 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 48 hours.

*Dichromate Solution is made with 90% Distilled Water and 10% Sodium Dichromate.

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