

SCREEN-SOL ROTO ECO

Code: AM100018



PRODUCT DESCRIPTION

Photo-emulsion for the realization of rotary textile cylinders

APPLICATION FIELDS

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

GENERAL & TECHNICAL FEATURES

- ROTARY photo-emulsion
- Colour: Red or Blue
- To be sensitized with Diazo
- Excellent mechanical and chemical resistance
- CHROME FREE
- Excellent definition
- It could be exposed through FILM, WAXJET and LASER ABLATION (CO₂) engraving systems
- Solid content: 46%
- Viscosity: about 12.500 cps (25 °c)

SENSITIZE

Add directly Micro-Diazo to the emulsion mixing until homogeneous. Dilute with distilled water according to the method of application.

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.

Speed 1-1,30 min/mt.

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

After dilution leave for a few hours to let off air bubbles.
Apply **SCREEN-SOL ROTO ECO** on clean, degreased and dry cylinders.

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 5 days 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:

- Film
- InkJet
- WaxJet
- Ablative laser (CO₂)
- DLE

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.



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.

POLYMERIZATION

In the oven at 180-200°C for at least 1 hour.

Time and temperature effective.

RECLAMING

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 ECO** 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.

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.



AMEX