



Screen Chemicals



LIBRA

Code N°M5LIBRA

PRODUCT DESCRIPTION

CHROME-FREE photoemulsion for the realization of textile blank rotary screens

APPLICATION FIELDS

Photoemulsion indicated for printing with:

- Textile inks for rotary-printing

TECHNICAL FEATURES

- COLOUR = BLUE
- SOLID CONTENT = 38%

APPLICATION PROCESS

Sensitizing	DIAZO MICRO HD POLVERE
Application	<ul style="list-style-type: none"> • Double squeegee automatic application .
Drying	25°C – 35°C for 60 minutes
Exposure	<ul style="list-style-type: none"> • CTS optical system
Development	Into water for 15 minutes
Drying	<ul style="list-style-type: none"> • Room temperature • Air Oven ($T_{max} = 35^{\circ}C$)
Curing	<ul style="list-style-type: none"> • 185°C for at least 60 minutes
Retouching	In case, products of the series ROTORET MONO
Recovery	Before curing only: <ul style="list-style-type: none"> • SOLVENTE 610 • Products of the series POLISTRIP
Packaging	M5LIBRA : 10 Kg Kit (2 x 5 Kg LIBRA + 4 DIAZO doses)
Safety Data Sheet	Available upon request

GENERAL FEATURES

- Photoemulsion to be sensitized through **DIAZO compounds**
- The use of **DIAZO** compounds makes it safe from environmental point of view
- Excellent chemical-physical and mechanical resistance
- Excellent contour definition
- Indicated for every mesh
- Be exposed through CTS optical system (DMD/DLE and Blu laser diode)
- May also be exposed through CTS ink and wax jet

SENSITIZING:

Add **DIAZO MICRO HD POLVERE** directly, without any dissolution with demineralized water, to the photo emulsion at the rate of 2 pre-measured pouches into 5 kg of **LIBRA**. The deaeration time is about 4 hours (See note in **SPECIAL INSTRUCTIONS**)

APPLICATION:

Apply the photoemulsion onto perfectly degreased, cleaned and dry cylinders, according to the following indications:

- **DOUBLE SQUEEGEE AUTOMATIC APPLICATION** (downwards): 1 layer
- **DRYING:**

After application, dry into air oven at a maximum temperature of 25°C - 35°C for 60 minutes. The so prepared cylinders, kept away from light and heat, may be exposed after a maximum time of 4-5 days.

**EXPOSURE:**

The exposure must depend on the CTS optical (DMD LDS) system .

It is recommended to make preliminary tests, in order to determine the right exposure times.

DEVELOPMENT:

Dip the exposed cylinder into a basin containing water for about 15 minutes. Wipe both the exterior and the interior side of the cylinder through a sponge, in order to help the cleaning of the motifs; then rinse abundantly off through a water jet.

DRYING:

After curing, completely dry the engraved cylinder at room temperature, or into air oven at a maximum temperature of 35°C.

CURING:

Cure the cylinder into oven at 185°C for at least 1 hour. (effective temperature and time)

RETOUCHING:

The possible retouching may be made through the products of the series **ROTORET MONO**.

RECOVERY:

In case that the removal of the photoemulsion from the cylinder is needed, it is possible to use the products of the series **POLISTRIP** and **SOLVENTE 610** before curing.

SPECIAL INSTRUCTIONS

- Always test the characteristics of the products, before starting application.
- Always use the product in a yellow light shielded environment.
- The non-sensitized emulsion, if kept at a maximum temperature of 20°C, has a shelf-life of about 1 year.
- The sensitized emulsion, if kept at a temperature of about 4°C - 10°C, has a pot-life of 3 days
In the case where it cannot be used, within the above-mentioned times, the total quantity of a 5 kg emulsion, it is proposed to use half of the product (2.5 kg) using a single premeasured packet of Diazo MICRO HD powder

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavor to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.