



Screen Chemicals



ZERO-IN DUAL SV PLUS

Code N° M*DUAL

PRODUCT DESCRIPTION

PRE-POLYMER DIAZO photoemulsion indicated for the preparation of screens for screen printing

APPLICATION FIELDS

Photoemulsion indicated for printing with:

- Solvent-based and UV inks

TECHNICAL FEATURES

- COLOUR = VIOLET
- SOLID CONTENT = 34%
- VISCOSITY = about 7500 cPs (25°C)

APPLICATION PROCESS

Sensitizer	DIAZONSENSITIZER MICRO HD POLVERE It doesn't need to be diluted into water
Application	Depending on the used mesh
Drying	30°C – 35°C
Exposure	Depending on the applied photoemulsion quantity
Development	Water
Retouching	In case, with sensitized photoemulsion
Catalysis	Not needed
Varnishing	Not needed
Recovery	With products of the series POLISTRIP
Package	M1DUALSVPLUS = 1 Kg Kit (1 x 1 Kg EMULSION + 1 dose of DIAZO) M5DUALSVPLUS = 10 Kg Kit (2 x 5 Kg EMULSION + 2 doses of DIAZO)
Security Data Sheet	Available upon request

DRYING:

It is recommended not to exceed 30°C – 35°C. The drying time may vary, according to the applied photoemulsion quantity.

Add **DIAZONSENSITIZER MICRO HD POLVERE** directly into the photoemulsion. The de-aeration time is about 2 hours. The mixture has a pot-life of 4 weeks, if kept in a dark and cold (4-10°C) place.

APPLICATION:

The application depends on the mesh, the suggested range is from 90 Th/cm to 140 Th/cm. For example, with a 120 Th/cm screen, it is recommended to apply an emulsion layer onto the "printing side" and a layer onto the "squeegee side" (by following the indicated sequence).

GENERAL FEATURES

- PRE-POLYMER DIAZO photoemulsion
- It needs to be sensitized through DIAZO-COMPOUNDS
- The photoemulsion is not sensitive to environmental humidity
- Excellent resistance to solvent-based and UV inks
- Excellent resolution
- High contour definition
- Good exposure latitude
- Good mechanical resistance
- SOLVENT free

EXPOSURE:

The exposure depends on the applied photoemulsion quantity.

The use of a METAL-HALOGEN UV 5000 W lamp is recommended. For example:

- Screen = 120 Th/cm
- Lamp = metal-halogen UV 5000 W
- Distance = 140 cm
- **Exposure Time = 40-50 seconds**

DEVELOPMENT:

It is recommended to dip the screen into water at room temperature for about 5 minutes. Rinse off through a water jet, and subsequently dry into oven at a temperature of about 30°C – 40°C.

RETOUCHING:

After the possible retouching with the sensitized photoemulsion, some minutes of re-exposure are needed.

RECOVERY:

If the recovery of the screen after printing is needed, the use of the products of the series **POLISTRIP** is recommended.



Screen Chemicals



SPECIAL INSTRUCTIONS

- Always test the characteristics of the products, before starting application.
- Always use the product in a yellow light screened environment.
- The sensitizers must be kept at a temperature of about 5°C. In these conditions, the product has a shelf-life of about 1 year.
- 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 4 weeks.

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.