



ZERO-IN SPEEDCURE

Code N° 223500

PRODUCT DESCRIPTION

PURE POLYMER photoemulsion, indicated for the preparation of screens for screen printing

APPLICATION FIELDS

Photoemulsion indicated for printing with:

- Inks indicated for high thickness printing

TECHNICAL FEATURES

- COLOUR = BLUE
- SOLID CONTENT = 38%
- VISCOSITY = about 40000 cPs (25°C)

APPLICATION PROCESS

Sensitizer	It doesn't need to be sensitized
Application	Depending on the used mesh
Drying	30°C – 35°C
Exposure	Depending on the applied photoemulsion quantity
Development	Water
Retouching	In case, with the emulsion
Catalysis	Not needed
Varnishing	Not needed
Recovery	With products of the series POLISTRIP
Package	M1SPEEDCURE = Package 1 Kg M223500 = Package 5 Kg
Security Data Sheet	Available upon request

APPLICATION:

The application depends on the mesh, the recommended range is from 15 Th/cm to 90 Th/cm. The following table gives some examples of the thickness that can be obtained, depending on the mesh and the number of layers.

Mesh (Th/cm)	Wet-on-wet Application	FINAL thickness
15/160 PW	1 + 3	440 µm
	1 + 5	500 µm
43/90 PW	1 + 3	170 µm
	1 + 5	200 µm
	1 + 7	240 µm
55/64 PW	1 + 3	120 µm
	1 + 5	160 µm
	1 + 7	200 µm

The applications are intended as follows: 1 layer onto the printing side + no. of layers onto the squeegee side (wet on wet).

GENERAL FEATURES

- PURE POLYMER (ready-to-use) photoemulsion
- Excellent resistance to plastisol, solvent and UV inks
- Good resistance to water-based inks
- Excellent photoemulsion film transparency (makes the positioning, register, of the printing drawing easy)
- Allows wet-on-wet applications, in order to increase thickness

DRYING:

Dry into air oven at a temperature of about 30-35°C for a time, which may vary according to the applied photoemulsion quantity (minimum time 2 hours). When the drying is complete, it is recommended to apply a photoemulsion final layer onto the squeegee side. Such application assures the optimum “anchorage” of the photoemulsion film onto the mesh. It is necessary to dry again into oven at 30-35°C for about 15-25 minutes.

EXPOSURE:

Mesh (Th/cm)	FINAL thickness	TIME (seconds)
15/160 PW	440 µm	420
	500 µm	480
43/90 PW	170 µm	180
	200 µm	210
55/64 PW	240 µm	240
	120 µm	150
	160 µm	180
	200 µm	210

The exposure times have been calculated by using a METAL-HALOGEN UV 5000 W lamp (distance 140 cm).

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.
- This emulsion, if kept at a maximum temperature of 20°C, has a shelf-life of about 1 year.

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 endeavour 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.