SCREEN CHEMICALS

ZERO-IN SPEEDCURE

(Blue) code 223500

Technical Data Sheet N° 39/SC-S **1st June 2006**

SCREEN PRINTING

Pure polymer emulsion for the preparation of high thickness screens.

- **Ready to use, do not need any sensitizer**
- **High resistance to conventional solvent based, UV, and Plastisol inks**
- **Good resistance to water based inks**
- **Suitable for the preparation of high thickness stencils**
- Good resolution and perfect edge/ engraving definition
- Long shelf life in their original containers (up to one year)
- Solvent-free
- Short exposure times
- High solid content
- High viscosity

Application fields:
High Thickness Plastisols, Braille effects, glitter, peelable varnishes, overprint varnishes.

COATING :

FABRIC (Th/cm)	COATING Wet on Wet	TOTAL THICKNESS	TIME (light unit) ●
15 / 160 PW white	1+3	440 µm	250
	1+5	500 µm	330
43 / 90 PW white	1+3	170 µm	40
	1+5	200 µm	50
	1+7	240 µm	70
55 / 64 PW white	1+3	120 µm	15
	1+5	160 µm	30
	1+7	200 µm	40

Indications based on perfectly degreased, clean and dry screens.
Coating: apply one coat on the printing side and the following ones on the squeegee side, wet on wet**.**
For a perfect adhesion of the emulsion to the fabric, we suggest 10-15 minutes before the complete drying of the screen, to apply a final coat on the squeegee side.
● Exposure times have been obtained with the use of a 5 KW Metal-halogen lamp, at 1 meter distance to the screen.

To obtain very high thickness screens (higher than the ones indicated in the table), you should proceed with the wet on dry method and intermediate drying.

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DRYING : Dry by means of a forced convection oven at 30-35° C for at least 2 hours.
Temperatures should not be higher; in this way the viscosity remains unchanged and the whole surface is smooth and flat.

DEVELOPMENT : The thickness being high, it is necessary to proceed with the development by leaving the screen in a bath with warm water (25°C) for at least 15 minutes (time can vary in relation to the thickness). Afterwards, wash by means of a water jet only the squeegee side till complete opening of the engraved area. Lastly rinse accurately both faces of the screen.

HARDENING : ZERO-IN SPEEDCURE does not require any hardening. The re-exposure to the light increases the chemical-physical resistance.

RETOUCHES : only on perfectly dry screens, with the same emulsion or a specific product (screen filler).

CLEANING : Tools must be washed out with water immediately after use.

SCREEN RECOVERY : use POLISTRIP (161800) or POLISTRIP LIQUIDO CONCENTRATO (161830)

PACKAGING : 1 kg and 5 kg

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