



SCREEN CHEMICALS

ZERO-IN SR

Technical Data Sheet N° 14 /SC-S

24st May 2007

SCREEN PRINTING

Diazo emulsion for the preparation of screens used in the screen printing

- It can be engraved by means of several light sources
- Exceptional resistance to print with **solvent-based inks**
- Short exposure times
- Solvent-free. Environmentally-safe
- Excellent chemical as well as mechanical resistance.
- Very good engraving definition
- Good transparency of the emulsion film
- Screens can be recovered after printing
- Long pot-life of the sensitized emulsion

EMULSION SENSITIZING

Sensitize the emulsion with DIAZO MICRO HD (new-concept Diazo sensitizer, not requiring pre-dissolution in water), ready-to-use. Accurately stir until complete dissolution. Let the emulsion rest for 1 hour at least to allow air release.

DEGREASING

CLEANSER 80 diluted in 4-5 parts water.

GHOST IMAGE REMOVAL

CLEANER STRIP 442045
ANTIGHOST and ANTIGHOST ATTIVATORE (161870-161871)

COATING

Using an automatic coating machine, slowly apply two coats on each side of the screen.

DRYING

in a screen dryer for 1 hour at least, at a max. temperature of 30°C. Screens prepared can be engraved even after 30 days provided that they are not exposed to heat and direct light.

EXPOSURE

Indicative times with a temperature of 20° C approx, 50% humidity, 1,40 mt distance, 120 th/cm screen

5000 W halogenid lamp : 60"

We strongly suggest to always-carryout preliminary tests in order to establish the correct exposure times.

Information contained in this Technical Data Sheet constitute the result of tests carefully carried out and express our best as well as most up-dated know-how. Nevertheless these news are published only as information and can't neither engage the responsibility of our company nor provide a whatsoever pretext for disputes of any kind, which could any how be connected to the usage of above described products. In consideration of the above the usage conditions are not under our control.

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| | |
|------------------------|---|
| DEVELOPMENT | In water at room temperature for 5'. Rinse by means of a water jet until the image is completely open and clear. Dry at room temperature or in oven at 30° C max. |
| HARDENING | Not required. |
| LACQUERING | Protective lacquering not required |
| RETOUCHING | only with SCREEN FILLER (169000) on a perfectly dry screen. |
| CLEANING | Tools must be washed out with water immediately after the use. |
| SCREEN RECOVERY | with POLISTRIP [Code 161800] |
| PACKING | Kit of 1 kg (with DIAZO): code M0SR Kit of 10kg (2 x 5 with DIAZO) : code M5SR |

SHELF LIFE

| Condition of the product | Shelf life |
|---------------------------|--|
| Sensitized emulsion | 6 month when kept in a fresh ambient [4-10]° C |
| Emulsion [not sensitized] | In its original containers at 20°C: 12 months approx |
| Diazo sensitizer | Far from humidity at 20° C 8-10 at 5° C 12 months approx. |

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