



Screen Chemicals



TECNOSCREEN EM 100 ROSSA

(PROTOTYPE PRODUCT - TEMPORARY TDS)

PRODUCT DESCRIPTION:

Photoemulsion for the preparation of flat screens for screen and textile printing.

APPLICATION FIELDS:

Flat bed textile continuous, T-shirt print

APPLICATION PROCESS:

SENSITIZING:



Dissolve the DIAZO-SENSITIZER HD powder in distilled water and add it slowly to the emulsion.

Leave for a few hours to let off bubbles

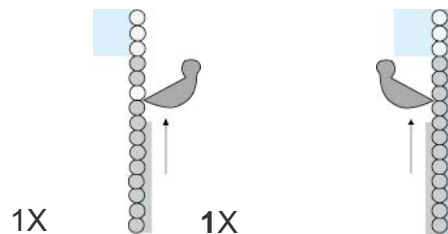
Pot-life of the sensitized emulsion : up to two weeks.
Store at not more than 4 - 10° C.

CARATTERISTICHE GENERALI:

- best resistance to water based printing pastes and plastisol inks
- faithful engraving results
- hardening at room temperature
- does not require aspiration of the mesh after application of the catalyst
- best chemical and mechanical resistance - does not require protective lacquering

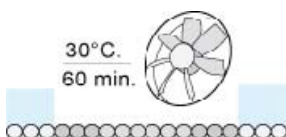
APPLICATION:

on clean, degreased and dry screen, apply slowly one coat on both sides.





DRYING:



In an oven with forced ventilation at max. 30° C for at least one hour. If necessary, screens can be exposed 48 hours later. Protect against heat and direct light.

HARDENING:

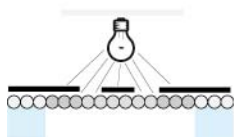
only with CATALYST 200 (see technical data sheet).



The so treated screen may be used after:

- 12 hours, if dried at room temperature
- 45 minutes, if dried into air oven at 50°C

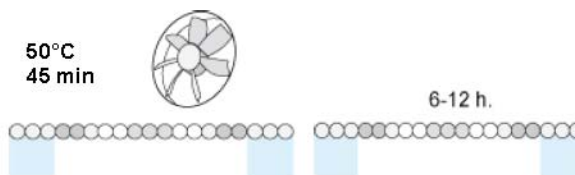
EXPOSURE :



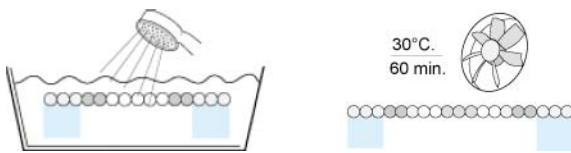
approximate times at 20° C, relative humidity 50 %, distance 1 mt. with a screen of 55 th/cm :

-halogen light 5000 Watt : 55/60 seconds,

We recommend accurate preliminary tests to establish the right exposure times.



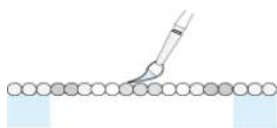
Note: The catalyzed photoemulsion may not be recovered (removed from the screen) anymore.

**DEVELOPMENT:**

five minutes in lukewarm water. Shower the screen thoroughly and dry at room temperature or in the oven at max. 30° C.

RETOUCHES :

on the perfectly dry screen with one of the DURAL ARCHIM lacquers.

**RECOVERY:**

If the recovery of the screen is needed, before any hardening process, the use of the products of the series **POLISTRIP** is recommend

SPECIAL INSTRUCTIONS

- Always test the characteristics of the products, before starting application.
- Always use the product in a yellow light screened environment.
- The diazo 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.

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 from 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.