

KS 500 ECO

PRODUCT DESCRIPTION

Prepolymer diazo photoemulsion suitable for the preparation of screen printing with solvent-based and UV inks

APPLICATION FIELDS

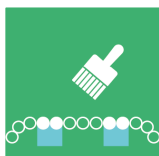
Photoemulsion suitable for printing with:

- Solvent-based inks
- UV inks
- Plastisol inks

CHARACTERISTICS

- Excellent resistance to the solvent-based and UV inks
- Good resistance to plastisol inks
- Excellent resolution
- High edge definition
- Good exposure latitude
- Good mechanical resistance
- Solvent free

APPLICATION PROCESS



FABRIC PREPARATION

New fabric: degrease with products of the Cleanser.

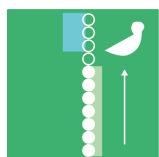
Recovered fabrics: operate in advance with Polistrip series product and then with Cleanser product series.



SENSITIZING

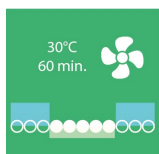
Add Diazo Micro HD Plus Powder directly into the emulsion, without predissolution in demineralized water. Mix well and leave to stand for at least two hours before use. It is advisable to sensitize the product the evening before to allow the complete disaeration.

The mixture has a four-week pot-life, if stored in a cool place (4-10 °C) and away from light.



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).



DRYING

After application, dry the ink in screen in a horizontal position with the printing side facing down in a ventilated oven for about 60 minutes. It is recommended to dry at a temperature of between 30 °C and 40 °C. Too high temperatures may compromise the development of the frame. Drying times vary depending on the amount of photoemulsion applied.

EXPOSURE

The exposure time is influenced by:

- Type and quality of light source
- From the thickness of the photoemulsion (EOM)

We recommend the use of a metal-halogen lamp UV 5000 W.

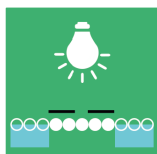
For example:

Screen = 1h20 T /cm

Lamp = metal-halogen UV 5000 W

Distance = 140 cm

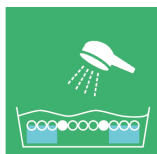
Exposure time = 60 seconds



DEVELOPMENT

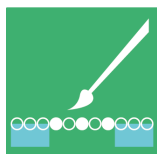
After exposure, wet the screen internally and externally, leave the screen wet for a few moments and then rinse with a water jet on the printing side until the details of the drawing are completely opened. If possible, it is recommended to immerse the framework in water at room temperature for about five minutes before development.

Dry in the oven at 30-40 °C.



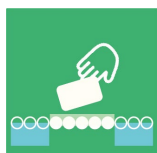
RETOUCHING

Possible retouching can be made with the sensitized emulsion. 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



SPECIAL RECOMMENDATIONS

Always test the characteristics of the product before starting a production.

Always use the product in a yellow light protected environment.

Sensitized emulsion when stored at a temperature between 4 ° C- 10 ° has a pot life of about 4-6 weeks.

The emulsion stored at a maximum temperature of 25 °C has a duration of about one year

Safety data sheet available on request

PACKAGING

M222801K001000	1 Kg
M222801K005000	5 Kg

IMPORTANT INFORMATION NOTE

The information contained in this data sheet is not to be considered exhaustive, but anyone who uses the product for any purpose other than that specifically recommended on this document without a precise written confirmation from us, He does it at his own risk.

Although we strive to ensure that all the advice given here about the product is correct, we do not have any control over the quality and conditions of the support, or the multiple factors that may affect the use and application of the product.

Therefore, except for specific written agreements, we do not accept any responsibility - of quality nature and in whatever way it occurs - for the performance of the product, nor for any loss or damage resulting from the unauthorized use of the product.

The information contained in this document is subject to periodic reviews, based on experience and our policy of constant product improvement.