CTS K301 ECO

PRODUCT DESCRIPTION

PPE photoemulsion suitable for the preparation of DMD/DLE optical CTS exposure systems for continuous textile printing.

APPLICATION FIELD

It is indicated for the preparation of screen realized by optical CTS systems of type DMD/DLE intended for continuous screen printing with water-based inks.

CHARACTERISTICS

- Colour: blue
- Solid Content: 38%
- Viscosity: around 7.000 cps (25°C).
- Suggested mesh from 34 th/cm to 90 th/cm
- For CTS DMD and/or CTS blue laser diode systems.
- Very high edge definition.
- Excellent resolution.
- Solvent free.

APPLICATION PROCESS

FABRIC PREPARATION

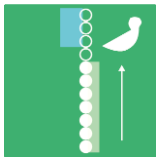
New fabric: degrease with products of the Cleanser.

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

SENSITIZATION

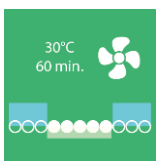
Add *Diazo Micro HD Powder* directly into the emulsion, without dissolving the diazo in demineralized water. Let stand for a few hours to allow the necessary disaeration.

The mixture has a four-week pot-life if stored in a cool place (4-10 3-C) and protected from light.



APPLICATION

The application method depends on the fabric chosen, the recommended range is 34 th /cm to 90 threads / cm. For example, with 62 threads / cm fabric, it is advisable to apply once on the "printing side" and once on the "squeegee" side (following the order shown). Drying in a ventilated oven at 30 ° C-35 ° (at least 40 min), higher temperatures, can compromise the development of the frame. It is advisable to place the frames in a horizontal position and with the side to be printed facing down.



DRYING

After application, dry the screen in a ventilated oven for about 60 minutes. It is recommended to dry at a temperature of 30 °C - 40 °C. C. Too high temperatures could compromise the development of the frame. Drying times vary depending on the amount of photoemulsion applied.

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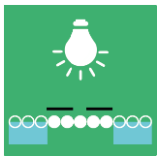
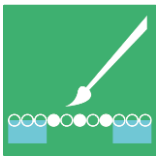


EXPOSURE

The exposure time is strongly influenced by:
• CTS system used
• Quality of the light source
• Thickness value (EOM)
It is therefore recommended to carry out preliminary tests to establish the correct exposure time.

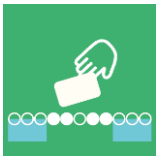
DEVELOPMENT

It is advisable to submerge the frame in room temperature water for about 5 minutes, then rinse the sides of the frame with a stream of water until the drawing details are fully open. Dry in the oven at a maximum temperature of 30 ° C



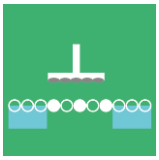
RETOUCHES

Possible retouching can be done with the photo-sensitized emulsion,
after drying, re-expose the stencil for a few minutes.
For retouching it's possible to use one of the products of Dural Archim series too.



RECOVERY

Removal of the non-catalysed photo emulsion, it is recommended to use products from Polistrip series.



CATALYSIS

The photoemulsion will have to be catalysed with Catalyst 210, the treated screen can be used later:
• 12 hours, if dried at room temperature
• 45 minutes, if dried in a convection oven at 50 ° C
Note: The catalysed photo emulsion can no longer be recovered (removed from the frame).

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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

M223600EK005000	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.