

# DECALCOCURE VIOLA ECO

## PRODUCT DESCRIPTION

PRE-POLYMER DIAZO photoemulsion, indicated for the preparation of screens for decal screen printing.

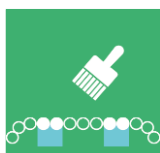
## APPLICATION FIELDS

DECALCOCURE VIOLA ECO is a photoemulsion suitable for decal printing.

## CHARACTERISTICS

- Colour = violet
- Solid Content = 35%.
- Viscosity = around 24.000 cps (25°C.)
- Recommended meshes: from 90 threads/cm a 140 threads/cm.
- Very long pot life after sensitizing.
- Very high technical and mechanical resistance.
- Good exposure latitude.
- Solvent free

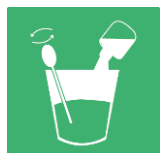
## APPLICATION PROCESS



### FABRIC PREPARATION

New fabric: degrease with products of the *Cleanser series*

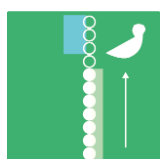
Recovered fabric: operate in advance with Polistrip series products and then with Cleanser series.



### SENSITIZATION

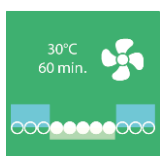
Add *Diazo Micro HD Powder* directly into the emulsion, without dissolving the diazo in demineralized water. Let stand for a few hours to allow the necessary disaeration.

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



### APPLICATION

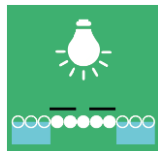
The application depends on the mesh of the screen. The recommended range is from 90 Th/cm to 140 Th/cm. For example, with a 120 Th/cm mesh, it is recommended to apply a photoemulsion layer on the "printing side" and a photoemulsion layer on the "squeegee side" (by following the indicated sequence).



### DRYING

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

### EXPOSURE



The exposure times are conditioned by:

- quality and type of light source
- Thickness of the photoemulsion (EOM)
- We recommend using a 5000-Watt UV metal-halogen lamp.

For example:

Mesh = 120 threads/cm

Lamp = UV 5000-Watt metal halogen

Distance = 140 cm

Exposure time = 40-50 seconds

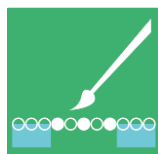
It is recommended to carry out preliminary tests to find the correct exposure time.

### DEVELOPMENT



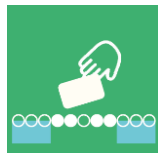
After exposure, wet the screen internally and externally, leave a few moments and then rinse with a water jet on the printing side until the details of the drawing are completely opened. If possible, it is recommended to immerse the framework in water at room temperature for about five minutes before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

### RETOUCHING



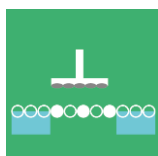
Any adjustments can be made with the sensitized emulsion. Carry out a re-exposure afterwards.

### RECOVERY



If necessary, the recovery of the frames after printing is recommended the use of Polistrip series products. Catalyzed frames cannot be recovered.

### CATALYSIS



If necessary to have significant chemical/mechanical resistance, the photoemulsion must be catalysed with Catalyst 210 (cod. M160210K001000). The treated frame can be used after:

- 12 hours, when dried at room temperature
- 45 minutes, when dried in a ventilated oven at 50 °C

Note: Catalyzed photoemulsion can no longer be recovered (removed from the frame).



### SPECIAL RECOMMANDATION

- Always test the characteristics of the product before proceeding to the application.
- Always use the product in a yellow light protected environment.
- The sensitized and stored emulsion at a maximum temperature of 20 °C has a shelf-life of one year.
- Sensitized emulsion, when stored at a temperature between 4,5 and 10,3 has a 4–6weeks pot life.
- Safety data sheet available on request.

### PACKAGING

M163150EK05000	5 Kg
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### IMPORTANT INFORMATION NOTE

The information 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 product recommendations contained here are 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 liability - of quality nature and in any way, it may occur - regarding 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.