

# SR V

## PRODUCT DESCRIPTION

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

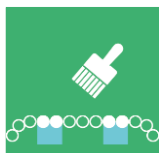
## APPLICATION FIELD

It's suggested for the preparation of screens to be used with solvent based inks and UV inks

## CHARACTERISTICS

- Colour: violet
- Solid content: 29%
- Viscosity: around 7.500 cps (25°C)
- Suggested mesh from 55 th/cm to 120 th/cm
- Good mechanical and chemical resistance
- Good edge definition
- Good resolution
- Good exposure latitude
- Solvent free

## APPLICATION PROCESS



### FABRIC PREPARATION

New fabric: degrease with products of the Cleanser series.

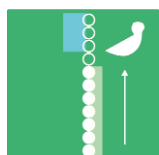
Recovered fabric: operate beforehand with Polistrip series products and later with Cleanser series.



### SENSIBILIZATION

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.

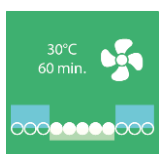
The mixture has a four-week pot-life if stored in a cool place (4-10 °C) and protected from light.



### APPLICATION

The application is related to the used mesh.

the recommended range is from 55 threads/cm to 120 threads/cm. For example, with 77 threads/cm fabric it is recommended to apply two coats of emulsion on the print side and two coats on the squeegee side (following the order indicated).



### DRYING

It is recommended not to exceed 30°C – 35°C. The drying time may vary, according to the applied photoemulsion quantity.

Higher temperatures can compromise the development of the screen.

## 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.

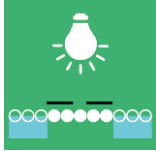
For example:

Mesh = 120Th/cm

Lamp = metal-halogen UV 5000 W

Distance = 140 cm

Exposure time = 45-50 seconds



Exposure testing is recommended to find the correct time.

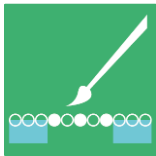
## DEVELOPMENT

After the exposure, wet the screen internally and externally, leave the painting dry 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.



## RETOUCHES

Retouches can be made by the sensitized product. Repeat the exposure to the light.



## RECOVERY

Screens can be re-used only before any hardening with Polistrip product series.



## 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

M221300K001000	1 Kg
M221300K005000	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.

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