



Diazo dual-cure, blue photo-emulsion suitable for plastisol, water-based and solvent inks. Easy to recover and excellent definition.

**Key features:**

- Excellent definition
- Easy to recover
- Suitable for a wide range of screens: 34-120 th/cm
- Mechanical fastness is excellent; however, it can be exposed again to increase it further and extend screen life
- Excellent fastness with plastisol and water based inks
- Good fastness with solvent based inks

**Instructions for use:**

- Degrease and clean mesh with recommended detergents in order to optimize emulsion adhesion; rinse and dry the screen in a dust free environment prior coating.

**NOTES:**

- A. Mix diazo micro directly into the emulsion
  - B. Mix diazo sensitizer in 100g of demineralized water; add this solution to the emulsion and mix thoroughly
- Leave the mixed product for some time to let the air bubbles off (a couple of hours)

**Coating:**

Using a good quality coater apply 1 coating on printing side (in contact with substrate) and 1 coating on squeegee side

Remove excess of emulsion with empty coater on both sides

**Drying:**

Thoroughly dry in a forced ventilation dryer at 30°-35°C for about 1 hour with the printing side (in contact with substrate) facing down. (time may vary depending on emulsion thickness)

For any reasons never exceed 35°C temperature as high temperatures may compromise development and definition of the emulsion by starting a process of crosslinking.

**Exposure:**

Several variables may affect exposure time and result:

Light source used, mesh type, coating thickness, distance from the lamp

Suggestion:

by 140 cm distance from UV 5000 W alogen lamps

mesh 62 th/cm : ca. 90-110 sec.;

Note: if mesh is orange or red, increase exposure time by 35-40%

**Developing:**

Immerse the screen in water and keep it for 3-5 min. or spray very fine water on both sides until some area starts to open.

Rinse the screen thoroughly with cold water at low pressure and dry it at 30-40°C max.

**Retouch:**

For retouching we recommend to use Screen Filler SR or WR as per your printing needs.

You may use the same emulsion too, but in this last case you need to expose again the screen in order to fix the retouching



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**Reclaiming:**

If emulsion is not catalysed, remove first all residues of ink with an appropriate solvent. It is recommended to wet the emulsion by applying proper reclaiming products and after a few minutes rinse thoroughly with a pressure washer.

**Notes:**

To remove stains and ghost images use Solvente Recuperero 181400, wait for 5-10 min. and rinse again with a pressure washer.

**CATALYSIS:**

For large printing runs it is possible to improve chemical-physical fastness by means of catalysis.

Use a dry screen (at 30°C max.) and apply DIWOSOL CATALYST with a sponge or a brush on both screen sides and let it dry with printing face down.

Dry again at 60°C. This will further improve fastness.

**NOTE:**

Once catalysed screens are no longer reclaimable

**Pot Life:**

Pot life of sensitized emulsion: 4 weeks, if stored at 4-5°C in a dark and dust free place (i.e. refrigerator)

**Cleaning:**

Wash and rinse instruments with water

**Storage:**

Product is very sensitive to extreme temperatures.

Keep in a fresh and dry place.

In the original closed packing shelf life is: 12 months

**Packing:**

Black, plastic containers: 1 KG

Larger packs upon request

**NOTE:**

Our technical advice whether spoken, written or through test trials corresponds to our current knowledge and provides information about our products and use. ENGLER ITALIA cannot, however, guarantee the finished results because ENGLER ITALIA exercises no control over those factors which may determine the use and application of the product at the user's headquarter.

Unless specifically agreed in writing, ENGLER ITALIA is not, therefore, liable for any loss or damage deriving from an unauthorized use of the product.

The selection and testing of the products are exclusively user's responsibility. Should any liability claim arise, they shall be limited to the value of goods delivered by ENGLER ITALIA and utilised by user with respect to any and all damages not caused intentionally or by gross negligence.