



Photoemulsion for water-based printing. The product achieves high definition and easy recovery. Suitable for screens with fabrics between 24 and 90 threads/cm. For limited runs, catalysis can be avoided while maintaining the recoverability of the screen. The catalyzed emulsion offers high resistance to printing but is no longer recoverable. We always recommend performing a preliminary test to evaluate the product's suitability for achieving the desired results.

Preparation:

- Dissolve the **Diazo** (code 401090) by adding 100 ml of demineralized water;
- add the solution to the gelatin and mix thoroughly;
- allow to de-aerate completely;
- clean and degrease the fabric thoroughly, using appropriate liquid or paste degreasers;
- rinse and dry.

Application:

Using a suitable spreader, apply as follows: 2 coats on the outside, then dry-smooth the inside.

N.B.: Inside side = squeegee side.

Drying:

Dry in a hot-air convection oven at 30°C for approximately one hour. The time depends on the ambient humidity. In favorable conditions, the time can be reduced. It is recommended not to exceed 40°C, as emulsions tend to polymerize at high temperatures, compromising development and definition.

Exposure:

Varies depending on the type of lamp used, the number of threads, and the amount of emulsion applied.

For example, at a distance of one meter, with 500W halogen lamps and a frame with 55 threads/cm, it takes approximately 60 seconds.

Development:

Immerse the painting in water for approximately 3 minutes and rinse thoroughly with a low-pressure jet of cold water.

Dry in an oven at 30-40°C.

Retouching:

For any touch-ups, use **Screen filler WR blue** (code 401220). If using the same gelatin, the screen must be re-exposed before printing.

Catalysis:

Catalysis is necessary for printing with *Plastopaque inks* or for long runs with water-based products. After drying the screen at low temperatures (max. 30°C), apply **Diwosol catalyst** (code 401095) with a sponge or brush to both sides and let it react, with a horizontal screen, until completely dry. A final oven drying at 60°C further improves resistance. The catalyzed screen is irreparable!

Recovery:

Wet the screen with water, apply the catalyst, rubbing lightly. Leave it to act for a few minutes and rinse thoroughly with water. To remove any residual emulsion or ink, apply **Screen Recovery Solvent** (code 181400) to the wet screen and let it act for 5-10 minutes. Rinse with water, preferably with high pressure.

Pot life:

The unsensitized emulsion has a shelf life of approximately one year. The sensitized emulsion has a shelf life of approximately three months. Stability increases if stored in the refrigerator at approximately 4°C.

Cleaning:

Wash equipment with water.

Storage:

The product is sensitive to extreme temperatures. Store in a cool and dry place.

Packaging:

Kg.1, plastic cans.

Our technical advice, whether provided verbally, in writing, or through test prints, reflects current technological knowledge and provides information about the products and their use. ENGLER ITALIA cannot guarantee the final result because ENGLER ITALIA does not control all factors that may affect the use and application of the product at the user's site.

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