

KIWOMASK® PR 885 Etch

Screen printable, one-component photo resist

KIWOMASK PR 885 Etch is a one-component, photo-definable etching- and plating resist, resistant in acid and alkaline (up to pH value 9) etching and galvanizing baths. Due to its high resolution, it is suitable for printing finest lines.

APPLICATION

Pre-treatment: Make sure the substrate is clean and free from grease for optimum adhesion.

KIWOMASK PR 885 Etch can be applied by screen printing, rollers or with a squeegee. Imaging is being applied by UV radiation.

Recommended screen-printing parameters: Polyester mesh 120-34 Y or corresponding steel mesh, solvent resistant emulsion.

PRE-DRYING/ UV-HARDENING

Approx. 10-15 minutes at 80°C (avoid temperatures over 100°C).

UV-hardening is carried out with a mercury high-pressure vapour lamp (e.g. Fe-containing, 5-7 kW, max. emission approx. 365 nm, required light energy: approx. 60 mJ/cm²).

Notice: Determine the required, optimum exposure time by carrying out your own tests (e.g. grey filter, step exposure).

DEVELOPING

Use demineralised water for preparing the developing solution. The exposed lacquer coating is being developed with a 1% sodium carbonate solution. The developing temperature is approx. 30°C, developing time approx. 45 seconds. While the developing unit is running, add fresh developing solution continuously. Control the pH value correspondingly.

Notice: Due to the varying types of galvanizing baths, it is essential to carry out tests in your own facilities. Resistance will increase by extending the drying time.

REDUCING

Ready-to-use, a further dilution is not recommended. Reducing of the viscosity is, however, possible with KIWOSOLV L 74, add approx. 1-3%.

CLEANING

Usual organic solvent-based cleaners

Stripping of the etching and plating resist: At minimum 20°C with natron or caustic potash (3-5%). The resist splits up into easily filterable particles.

COLOUR

Blue

VISCOSITY

Approx. 5.000 mPas (Brookfield RVT, spindle 4, 20 r/min, 23°C)

This data sheet is for your information. A legally binding assurance of the product's suitability for a specific purpose cannot be derived from it and no liability can be assumed for any potential damages that may occur. Our products are subject to continuous production and quality control and leave our company in perfect condition.

This product is intended solely for industrial applications and not for use by the end consumer. We recommend to our customers to always test the product themselves since only in this way – also after production – can the freedom from certain substances and the suitability for a particular purpose be verified. The user has to test the product for suitability for the intended application. We reserve the right to modify product specifications. Tests that are not part of the specifications of the product mentioned above have not been carried out.

All information applies only to the above-mentioned product obtained from Kissel + Wolf GmbH. It corresponds to our current state of knowledge, but is not a confirmation of a particular application and is not automatically replenished. All information is valid for a maximum of 12 months (annexes may be provided with their own date) or until legal changes are made in this time period. The recipient of our product is solely responsible for observing any possible property rights as well as existing laws and regulations. Property rights of third parties must be observed. Our terms and conditions of sale and delivery shall apply.

**HEALTH HAZARDS/
ENVIRONMENTAL
PROTECTION**

Please follow further information given in the material safety data sheet.

STORAGE

6 months (at 20-25°C and tightly closed original container). Protect against frost, direct sun and other UV-light sources.