

KIWOMASK® UV 871

Screen printable, UV-curing brushing and etching resist

KIWOMASK UV 871 is a one-component screen-printing lacquer for the selective brushing and etching of surfaces. Its thixotropic formulation facilitates high-definition printing of finest lines.

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

KIWOMASK UV 871 is being applied by screen printing and hardened by UV light.

Recommended screen-printing parameters: Polyester mesh 140-31 Y or 165-34 Y and a solvent-resistant screen-printing emulsion.

UV HARDENING Mercury high pressure vapour lamp, required light energy: approx. 800 - 1.500 mJ/cm²

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

REDUCING Ready-to-use product, a dilution is not recommended. The reduction of the viscosity, however, may be achieved by adding max. 1-3% of KIWOSOLV L 80.

CLEANING Commercially available organic solvent-based cleaners

Stripping: at ambient temperature with caustic soda or caustic potash solution (3-5%), or by using the ready-to-use solution PREGASOL R 800. The resist separates into easily filterable components.

COLOUR Blue

VISCOSITY Approx. 43.000 mPas (Brookfield RVT, 20°C, spindle 6, 20 r/min, 20°C)

**HEALTH HAZARDS/
ENVIRONMENTAL
PROTECTION** Please follow further information given in the material safety data sheet.

STORAGE 9 months (at 20-25°C and original container). Protect against freezing, direct sun light and other UV-light sources.

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. Liability for damages due to a slightly negligent breach of duty on our part on the part of our legal representative or vicarious agent is excluded. Our liability for damages due to injury to life, body or health is not covered by this limitation of liability. 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 from the date stated above (annexes may be provided with their own date). Any industrial property rights as well as existing laws and regulations are to be observed by the recipient of our product on his own responsibility. Intellectual property rights of third parties must be observed. Our terms and conditions of sale and delivery shall apply.