

KIWOMASK® Z 865/3 VP

Screen printable, thermally curable etching and plating resist

KIWOMASK Z 865/3 VP is a one-component screen-printing lacquer, which is very resistant to acid and slightly alkaline etching and galvanizing baths over the complete pH-range. Its thixotropic formulation facilitates high-definition printing of finest structures.

Notice: KIWOMASK Z 865/3 VP has been tested only under our laboratory conditions, which may differ from practice. Therefore, we recommend carrying out trials in order to check the suitability of this product for your application purposes.

APPLICATION

KIWOMASK Z 865/3 VP is being applied by screen printing. Its high resistance is already achieved when dried.

Pre-treatment: In order to achieve optimum adhesion, make sure the substrate is clean and free from grease.

Recommended screen-printing parameters: Polyester mesh 61-64 Y to 140-31 Y or corresponding steel mesh, solvent resistant emulsion.

DRYING

When providing good ventilation, KIWOMASK Z 865/3 VP dries already at ambient temperature (e.g. in a drying rack) in a way that sheets are stackable. In order to improve chemical and mechanical resistance, we recommend drying the product for approx. 30-45 minutes at 80°C or approx. 20 minutes at 120°C. In case of extreme conditions, e.g. alkaline etching processes at higher temperatures, we recommend drying for 20 minutes at 140°C. Avoid temperatures exceeding 150°C, since they affect stripping.

REDUCING

The product comes ready-to-use, however, can be reduced with approx. 1% of KIWOSOLV L 14 or KIWOCLEAN LM 653 if a further dilution is necessary.

CLEANING

KIWOCLEAN LM 628 or KIWOCLEAN LM 653

Stripping of the etching and plating resist: KIWOMASK Z 865/3 VP can be removed with KIWOCLEAN LM 628 or KIWOCLEAN LM 653.

COLOUR Black

VISCOSITY Approx. 50.000 mPas (Brookfield RVT, spindle 7, 20 r/min, 20°C)

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

STORAGE 1 year (at 20-25°C and tightly closed original container). Protect against frost.

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 or 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.