

KIWOMASK® UV 160/2

Removable, screen printable, UV-curing, one-component protective lacquer

KIWOMASK UV 160/2 is a one-component protective lacquer, protecting parts and surfaces against mechanical strain. KIWOMASK UV 160/2 is suitable for surfaces such as glass and metal, diverse plastics, e.g. PC, PET). We recommend conducting trials in order to test adhesion and removal properties of the dried film on the different substrates, specifically when printing on plastics, pre-treated substrates and lacquered or printed surfaces.

APPLICATION

Pre-treatment: Make sure that the substrate is clean and free from grease to facilitate adhesion.

KIWOMASK UV 160/2 is being applied by screen printing and cured by UV light. Stir prior to use if necessary.

Recommended screen-printing parameters: polyester mesh 21-140 W (threads/ inch: 54) to 61-64 W (threads/ inch 156), solvent-resistant screen-printing emulsion. With the mentioned mesh count, stencil build-up thicknesses of 25 µm to 120 µm can be achieved. For screen printing, we recommend using a squeegee of average shore hardness (60-80 shore) and a 75° squeegee angle. Due to the relatively high viscosity, we recommend to apply a slow squeegee velocity (200 mm/ sec) and an average flooding speed (400 mm/ sec). The angle of the flooding squeegee should be 90° to the mesh. Best removability will be reached 10-30 minutes after UV-cross-linking and after cooling down to ambient temperature.

UV HARDENING

Mercury high-pressure vapour lamp, required light energy: approx. 300-500 mJ/cm²

REDUCING

Ready-to-use product, a dilution is not recommended.

CLEANING

Before UV-curing, KIWOMASK UV 160/2 can be cleaned with commercially available organic solvent-based cleaners.

COLOUR

Blue

VISCOSITY

Approx. 26.000 mPas (Brookfield RVT, spindle 6, 20 r/min, 60°C)

HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION

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

STORAGE

1 Jahr (at 20-25°C and original container). Protect 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 or 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.