

KIWOBOND® 2100 LMC

Fast drying, two-component screen adhesive, resistant to solvents

KIWOBOND 2100 LMC is a fast drying, two-component screen adhesive for a highly chemical resistant bonding of screen meshes to aluminium frames. It is applied by brush and after curing almost completely solvent resistant. KIWOBOND 2100 LMC comes with a viscosity suitable for the bonding of fine and coarse mesh. The two-component system is characterized by less than 0,1% monomeric isocyanate, and thus by improved work safety, while observing the usual safety measures.

APPLICATION

ADHESIVE MIXTURE	100 parts KIWOBOND 2100 LMC 30 parts of the respective KIWODUR hardener
POT LIFE	Approx. 90 minutes (depending on ambient temperature and quantity)
REDUCING	KIWOSOLV L 63 (e.g. when working with very fine mesh of more than 100 threads/ cm).
APPLICATION METHOD	Use a hard brush and slight pressure to apply the adhesive/ hardener mixture onto the respective area of the mesh.
COLOUR VARIATIONS	KIWOBOND 2100 LMC + KIWODUR 2000 LMC = red KIWOBOND 2100 LMC + KIWODUR 2001 LMC = colourless
PROTECTIVE LACQUER	ESTELAN 224 Red or Yellow, e.g. when cleaning the stencils in automated washing units. Depending on the and quantity of adhesive and drying conditions, ESTELAN can be applied already after 2-3 hours drying.
CLEANING	Unhardened: KIWOSOLV L 63 Hardened: PREGAN DL/1
SUBSTRATE PROPERTIES	Before use, thoroughly remove any old adhesive residue from the frame with e.g. PREGAN DL/1. This is not necessary if the old adhesive film shows an even surface without break-outs. If sand-blasted aluminium frames are used, ensure that the dust is being removed. The bonding areas have to be free from fats and all other materials that can act as separating agents. To achieve best adhesion, it is recommended in some cases to apply the hardener KIWODUR 2000 LMC series onto the frame.
CURING TIME	The curing time of the glue depends mainly on the mesh, applied adhesive quantity and ambient temperature in connection with the ventilation. The curing time of KIWOBOND 2000 LMC is extremely short when applying a thin film.

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.

RESISTANCE	While a relative resistance to water and many solvents is already achieved after approx. 1 hour, full resistance will only be reached after a total curing time of approx. 24 hours
COLOUR	Colourless
FLASH POINT	Approx. -20°C
HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION	<p>When working with KIWOBOND 2100 LMC and the KIWODUR hardeners ensure sufficient ventilation of the working areas. Avoid contact with eyes and skin. Keep away from sources of ignition. Do not smoke.</p> <p>Please follow further information given in the material safety data sheets.</p>
STORAGE	<p>12 months at 20-25°C and tightly closed original container:</p> <p>At temperatures of approx. +8°C, KIWOBOND 2100 LMC can become gel-like. Warm up to minimum +20°C temperature and shake or stir well to achieve normal consistency. Freezing and warming up do not have any influence on the adhesion strength.</p>