

KIWOBOND® 1100 PowerGrip

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

KIWOBOND 1100 PowerGrip is a fast drying, two-component screen adhesive for a highly chemical resistant bonding of screen meshes to frames made of aluminium, steel, wood and galvanized iron. It is applied by brush and after curing almost completely solvent resistant. KIWOBOND 1100 PowerGrip is fast drying with very short time in the stretching unit and allows bondings of screen meshes with high tension values without any loss of tension after having released the frame from the stretching unit. The adhesive film does not embrittle and does not cut the mesh if some adhesive has been brushed into the screen surface.

APPLICATION

ADHESIVE MIXTURE	100 parts KIWOBOND 1100 PowerGrip 20 parts of the respective KIWODUR hardener
POT LIFE	Approx. 60 minutes (depending on ambient temperature and quantity)
APPLICATION METHOD	Use a hard brush and slight pressure to apply the adhesive/ hardener mixture onto the respective area of the mesh.
REDUCING	KIWOSOLV L 63 (e.g. when working with very fine mesh over 100 threads/cm)
COLOUR VARIATIONS	KIWOBOND 1100 PowerGrip + KIWODUR 1100 PowerGrip = red KIWOBOND 1100 PowerGrip + KIWODUR 1101 PowerGrip = colourless KIWOBOND 1100 PowerGrip + KIWODUR 1103 PowerGrip = green KIWOBOND 1100 PowerGrip + KIWODUR 1101 PowerGrip + KIWOCOLOR pigment pastes are available in blue (B-05), green (G-13), red (R-04) and yellow (Y-03)
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 2-4 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

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.

achieve best adhesion, it is recommended in some cases to apply the hardener KIWODUR 1100 PowerGrip 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 11000 PowerGrip is extremely short when applying a thin film.

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. -18°C

**HEALTH HAZARDS/
ENVIRONMENTAL
PROTECTION**

When working with KIWOBOND 1100 PowerGrip 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.

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

STORAGE

2 years at 20-25°C and tightly closed original container

At temperatures of approx. +8°C, KIWOBOND 1100 PowerGrip 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.