

KIWOBOND® 1105 FC

Fast drying, two-component screen adhesive for precoated mesh

KIWOBOND 1105 FC is a fast drying, two-component screen adhesive for a highly chemical resistant bonding of precoated screen meshes to frames made of aluminium, steel and galvanized iron. After curing it is very solvent resistant. KIWOBOND 1105 FC is fast drying with very short time in the stretching unit.

APPLICATION

Before adhering, thoroughly remove any old adhesive residue from the frame with e.g. PREGAN DL. 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 operating as separating agents. To achieve best adhesion it is recommended in some cases to apply the hardener KIWODUR 1105 FC series onto the frame.

Since the adhesive is being applied directly onto the precoated mesh, mark the bonding areas with a marker pen using the frame as template (see KIWO INFO on KIWOBOND 1100 FC). Before use, mix KIWOBOND 1105 FC with 20% KIWODUR 1105 FC. Stir both components well and use within approx. 60 minutes. Apply a sufficient quantity of the adhesive mixture swiftly onto the marked areas using a solvent resistant round brush. Press the frame immediately into the adhesive layer. Moving the frame slightly produces and intense contact between mesh, adhesive mixture and surface of the frame. We recommend ballasting the frame additionally with weights.

Drying time mainly depends on the quantity of adhesive and the room temperature in combination with the respective air circulation. Ensure there is good air ventilation underneath the mesh. The solvent components of the adhesive need to diffuse through the emulsion in order to evaporate. This leads to a sticky surface of the emulsion, however, after drying (few hours – over night) the stickiness vanishes.

On these conditions and an ambient temperature of 20°C, the drying time in the stretching unit is approx. 45-60 minutes.

While a relatively good resistance to water and many solvents is already achieved after approx. 2-3 hours, full resistance will only be reached after a total curing time of approx. 24 hours

POTLIFE

Approx. 60 min. after adding 20% of KIWODUR 1105 GREEN (depending on the room temperature and mixed adhesive quantity)

REDUCING

KIWOSOLV L 63

CLEANING

Unhardened: KIWOSOLV L 63
Hardened: PREGAN DL

COLOUR	Colourless
FLASH POINT	Approx. -18°C
HEALTH HAZARDS/ ENVIRONMENTAL PROTECTION	<p>When working with KIWOBOND 1105 FC and the KIWODUR 1105 GREEN 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>2 years at 20-25°C and tightly closed original container</p> <p>At temperatures of approx. +8°C, KIWOBOND 1105 FC 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>