

PRODUCT DATA SHEET

SikaBond® Mirror Adhesive

Adhesive specially formulated for bonding mirrors

PRODUCT DESCRIPTION

SikaBond® Mirror Adhesive is a one component adhesive that is specially formulated for bonding mirrors to most common surfaces. The neutral curing system will not attack the mirror backing.

USES

- Bonding mirrors to most common substrates (metals, most plastics, concrete, plaster, plaster-board, polyester, perspex, glass, wood, enamel, painted surfaces etc.).
- Adhering cladding panels.
- As a high quality nail replacement adhesive, even to damp surfaces.
- Bonding difficult materials such as metals and fibre glass.
- Any application requiring high performance, durable bonding.
- Applications where resistance to chemical spillage is required.

CHARACTERISTICS / ADVANTAGES

- Neutral cure adhesive system – will not attack mirror backings.
- Will stick to damp surfaces.
- Primerless adhesion to most surfaces.
- Overpaintable with most water and gloss based paints.
- Fast curing – tack free in 10 minutes and fully cured in 24 - 48 hours.
- Resistant to many chemicals.

PRODUCT INFORMATION

Packaging	290 mL cartridge
Colour	White
Shelf Life	12 months from date of manufacture when stored according to manufacturer's instructions
Storage Conditions	Store in cool, dry conditions between +5 °C to +25 °C.
Density	ca. 1.5 g/cm ³
Shore A Hardness	50 - 60
Elongation at break	>60 %
Ambient Air Temperature	+5 °C to +30 °C

Curing Time	24 – 48 hours
Curing Rate	1 mm per 24 hours
Skin Time	20 to 40 minutes (+23 °C and 50 % RH)

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LIMITATIONS

- When fixing mirrors, always provide temporary support until the adhesive has dried (24 hours).
- For overhead mirrors and large mirrors – always use in conjunction with mechanical fixings.
- Not for use where bond lines are constantly immersed in water, or as part of a structural glazing system.
- Not for use in aquarium manufacture. Use EverFlex® Aqua Mate.
- Not for use in conjunction with bitumen, or asphalt. Use Everflex® Weather Mate.
- Prime when using on highly porous surfaces such as new concrete or stonework.
- Not for use on substrates that may bleed oils, solvent or plasticisers.
- Do not use on polyethylene safety backed mirrors, polypropylene or Teflon.
- Yellowing can occur in the dark.

It is the user's responsibility to determine suitability of use. If in doubt, please contact Technical Services department for advice.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean and dust free. Surfaces may be damp, but have no standing water.

APPLICATION METHOD / TOOLS

Cut the tip of the cartridge taking care not to damage the thread.
Fix nozzle, cut aperture to required width and apply with a standard sealant gun.

Fixing mirrors

Apply 6 mm diameter beads of adhesive direct to back of mirror in vertical strips, spaced at 30 - 40 mm centers.

Immediately place mirror in position and secure with good, even pressure with a slight twist action.

Provide temporary support (tape) until adhesive has dried (24-48 hours).

If required, a sealant such as Sika® Forever may be used to seal around the mirror, once the adhesive is fully cured 24 hours after fixing.

As a nail replacement (panel) adhesive

Prime dusty surfaces with SikaBond® PVA+ diluted 1:4 with water and allow to dry.

Cut an opening to suit the required bead size.

For bonding heavy items (plasterboard/work-tops/wall panels etc.)

Apply adhesive all the way around the edge of the item (30-50 mm from edge) and cover back with beads of adhesive at 300 mm intervals.

Alternatively, apply adhesive direct to battens and press into place.

Always provide temporary support to heavy items until the adhesive dries.

For bonding lightweight items (covings, dado rails, skirting etc)

Apply adhesive to back of item in one or two continuous beads and press immediately into place.

CLEANING OF TOOLS

Uncured adhesive: Sika® Wonder Wipes or white spirit.

Cured adhesive: mechanically.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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