

EVERFLEX MIRROR MATE

DESCRIPTION

EVERFLEX MIRROR MATE is a one part, chemically curing solvent free sealant and adhesive combining the best qualities of silicone and polyurethane sealants. It is specifically designed for adhering most common mirrors to all common substrates without attacking the backing. In addition, this product has numerous other uses as a sealant and adhesive in and around the home.

BENEFITS

- Totally neutral cure adhesive system – will not attack mirror backings
- Also suitable for use as a sealant - will also seal around mirror edges.
- Will even stick to damp surfaces.
- Excellent primerless adhesion to most surfaces, including metals, most plastics, concrete, plaster, plasterboard, polyester, Perspex, glass, wood, enamel, painted surfaces etc.
- Non Hazardous preparation – unlike typical solvent based alternatives.
- Overpaintable with most water and gloss based paints.
- Sanitary quality – highly resistant to mildew and mould growth.
- Fast curing – tack free in 10 minutes and fully cured in 24-48 hours.
- Excellent chemical resistance.
- Flexible when dry - Movement accommodation +/- 20%
- Many other uses – see below.

AREAS FOR USE

- Bonding mirrors to most common substrates.
- Automotive gap filling and sealing
- Sealing and bonding marble and granite where non-staining is essential.
- External and internal perimeter pointing around doors and windows, especially in mobile structures such as caravans and boats.
- Sealing vertical expansion joints.
- Jointing cladding panels.
- As a high quality nail replacement adhesive, even to damp surfaces.
- Bonding difficult materials such as specialised polymer systems, metals and fibreglass
- Any application requiring high performance, durable sealing and bonding of joints.
- Applications where resistance to chemical spillage is required (garage forecourts etc)

LIMITATIONS

- When fixing mirrors, always provide temporary support until the adhesive has dried (24 hours).
- Use in conjunction with mechanical fixings for large mirrors.
- Use on overhead mirrors – Always use in conjunction with mechanical fixings.
- Do not seal mirror edge until adhesive has cured.
- Not for use where joints are constantly immersed in water, or as part of a structural glazing system.
- Not for use in aquarium manufacture. Use AQUA MATE
- Not for use in conjunction with bitumen, or asphalt. Use WEATHER MATE
- Not for use on highly porous surfaces such as new concrete or stonework. Priming is advised or use SILICONE 450.
- Not for use on substrates that may bleed oils, solvent or plasticisers.

SURFACE PREPARATION

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

APPLICATION

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 6mm diameter beads of sealant direct to back of mirror in vertical strips, spaced at 30-40mm 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, MIRROR MATE may also be used to seal around mirror 24 hours after fixing.

As a sealant

Reference should be made to the recommended joint ratios. If necessary reduce joint depth using Everflex Expanding Foam, or Joint backer rod. Furthermore, ensure that the joint design only permits adhesion to two surfaces, as three sided adhesion will impair flexibility.

Where the sealant is used in a joint configuration, masking tape should be used to prevent contamination of adjacent substrates, and ensure a neat sealing line. Masking tape should be removed immediately after tooling. The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. Tooling of the sealant also gives a smooth, professional finish.

Uncured material can be removed by wiping with a dampened cloth with white spirit. Cured material can be carefully removed by mechanical means. Full cure must be allowed before overpainting.

As a nail replacement (panel) adhesive.

- Surfaces must be sound, clean, dry and free from dust, grease, loose material etc.

- Prime dusty surfaces with EVERBUILD PVA BOND diluted 1:4 with water and allow to dry.
- Apply using a standard sealant gun, cut tip of cartridge, apply nozzle and cut an opening to suite the required bead size.
- For bonding heavy items (Plasterboard/worktops/wall panels etc) apply adhesive all the way around the edge of the item (30-50mm from edge) and cover back with beads of adhesive at 300mm intervals. Alternatively, apply adhesive direct to battens and press into place. NOTE.
- *With heavy items, always provide temporary support 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.
- Where gap filling is required, mark the areas where there is a large gap and apply a thicker bead to these areas.
- In all cases, clean up excess adhesive immediately with a damp cloth.

SPECIFIC DATA

Movement accommodation:	+ or -20%
Skinning time:	10 mins @ 20°C
Cure time:	2-3mm per 24 hours
Hardness Shore A:	35 -40
Elongation at break:	400%
Service temperature resistance:	-40°C to + 150°C
Application temperature resistance:	+5°C to + 30°C
Staining of Substrate	Nil.
Overpaintability:	Overpaintable
Specific gravity:	1.00
Cleaning:	Uncured sealant white spirit; Cured sealant: EVERFLEX SILICONE EATER
Maximum joint width:	25mm
Coverage:	10 linear metres per tube (approx)

HEALTH AND SAFETY

- Do not ingest.

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- Keep out of reach of children.
- Wash hands after use.
- Dispose of empty packaging correctly.

STORAGE

Store in cool dry conditions between + 5°C and 25°C.

SHELF LIFE

12 months in original unopened containers.

SAFETY DATA SHEET

MIRROR MATE SEALANT AND ADHESIVE

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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: MIRROR MATE SEALANT AND ADHESIVE

Product code: MIRROR

Use / description of product: No significant hazard.

Company name: EVERBUILD BUILDING PRODUCTS LTD

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2. COMPOSITION / INFORMATION ON INGREDIENTS

3. HAZARDS IDENTIFICATION

Main hazards: No significant hazard.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Dry chemical powder. Carbon dioxide.

Exposure hazards: In combustion emits toxic fumes.

Protection of fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to section 8 of SDS for personal protection details.

Environmental precautions: Do not discharge into drains or rivers.

Clean-up procedures: Mix with sand or vermiculite. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

[cont...]

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.

Storage conditions: Store in cool, well ventilated area. Store in original containers between +5 and +25°C. Storage outside these parameters will dramatically reduce shelf life and invalidates all product warranties.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Respiratory protection not required. in normal use.

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Paste

Colour: White

Odour: Barely perceptible odour

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Also soluble in: Most organic solvents.

Viscosity: Highly viscous

Boiling point/range°C: 100

Flammability limits %: lower: N/A

upper: N/A

Autoflammability°C: N/D

Vapour pressure: as water

Relative density: 1.53

pH: 8.5-9.9

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Heat.

Materials to avoid: Strong oxidising agents. Strong acids.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Heavier than water.

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Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Dispose of according to local or national legislation

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: -

Shipping name: "NOT SUBJECT TO ADR"

IMDG / IMO

UN no: -

IATA / ICAO

UN no: -

15. REGULATORY INFORMATION

Hazard symbols: No significant hazard.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.