



GLASS-MATE MIRROR ADHESIVE

Neutral Cure Silicone for Mirrors

Technical Data Sheet



MATE SILICONE & SEALANT RANGE

Description:

A low modulus, neutral cure silicone adhesive. Suitable for interior fixing of mirrors, coated glass or metal panels.

Features & Benefits:

- ◆ **Non corrosive.**
- ◆ **Low odour.**
- ◆ **Excellent adhesion.**
- ◆ **Non shrinking.**
- ◆ **Resistant to heat and humidity.**
- ◆ **For interior use.**

Uses

Bond It GLASS-MATE is a ready to use, one-part silicone adhesive with excellent unprimed adhesion on most mirror coatings. With outstanding resistance to heat and humidity, it's properties are unaffected by sunlight, ultra-violet radiation and temperature extremes.

Suitable for internal bonding of mirrors, glazed surfaces, ceramics, enamel, metals, PVCu, polycarbonate and treated or untreated wood, to most common substrates.

Limitations

Not suitable for aquarium assembly or for jointing in swimming pools or other submerged applications. We do not recommend that this product be used in food grade applications. Do not use on surfaces that bleed oils or plasticisers. Do not use in the manufacture of structural glazing. Any mirror made with 6mm glass or thicker needs mechanical fixing. Any mirror on a sloping wall or ceiling must have mechanical fixings. Any mirror greater than 1m² must have mechanical fixings.

Do not use on safety mirrors as the safety backing on some mirrors is not suitable for adhesive fixing with silicone. If using mirrors with a safety backing ALWAYS carry out an adhesion test first.

Preparation

Ensure all surfaces are clean, dry and free from grease or any contaminants that may hinder adhesion.

Application

Cut tip from cartridge, be careful not to damage the screw thread. Cut off top of nozzle at an angle of approximately 45° to an opening of approximately 10mm. Screw on nozzle and place cartridge in a standard sealant gun.

For glass thickness of 2 to 4mm apply a 10mm bead of adhesive at

100mm intervals vertically to the back of the mirror, or surface to be bonded. Place the mirror in position and apply even pressure. Provide temporary support (tape) whilst the adhesive cures. The edges of the mirror can also be sealed with GLASS-MATE if required but leave 24 hours after fixing.

For glass thicknesses above 6mm, mirrors greater than 1m² area or mirrors on ceilings or sloping walls, GLASS-MATE MUST be used in conjunction with mechanical fixings.

Note: this product is not suitable for use as a sole fixing for safety backed mirrors.

Tools can be cleaned immediately using Bond It MULTI-WIPES or WHITE SPIRIT.



Coverage

Depending upon substrate condition and porosity approximately 10 linear metres with a 6mm bead per cartridge.

Colour

GLASS-MATE comes in translucent only.

Size

EU3 plastic cartridge.

Shelf Life

Minimum 12 months from date of manufacture when stored in original, unopened cartridges.

Storage Conditions

Store in cool, dry conditions at a temperature between +5°C and +25°C. Protect from frost and direct sunlight.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Specification Summary

Tool Time	5-30 minutes
Skin Time	Less than 30 minutes
Full Cure Time	24-48 hours depending on conditions and bead depth
Application Temperature	+5°C to +30°C
Service Temperature	-40°C to +120°C continuous exposure, higher temperatures can be withstood for limited periods
Elongation At Break	Up to 450%
Adhesion	Good to glass, concrete, ceramics, timber, ferrous metals and most building materials
Density	1.02g/cm ³
Commodity Code	3214101000



Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDMIRT	Trans	285ml	5060021363695	-



Part of the Bond It Silicone & Sealants Range

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Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



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