

Mirror

NON-DESILVERING SEALANT FOR MIRRORS

TECHNICAL DATA SHEET

SMART ADVANTAGES

- ACID FREE
- DOES NOT DESILVER MIRROR BACKINGS
- NON CORROSIVE TO METALS

DESCRIPTION

Bostik Mirror is a high quality neutral-curing silicone based adhesive that provides a strong permanent flexible bond for mirrors to painted surfaces, plaster, metal or wood. It has a low odour and does not release acid during curing making it non-corrosive to metals, mirror backings and suitable for use on alkaline materials such as concrete, cement, mortar, masonry and plaster. It has a non-sag rheology and can be applied to vertical surfaces.

APPLICATIONS

- Designed for mirror installations - bonding mirrors to painted surfaces, plaster, metal or wood.
- Suitable for emergency sealing and bonding tasks in and around the house, such as sealing around bathroom and kitchen fittings, bonding up signboards, insulating appliances, fixing leaking plumbing, etc.

ADHESION

Exhibits excellent primerless adhesion to glass and mirror backings, and alkaline surfaces such as concrete, fibrous cement, mortar and plaster. It also offers excellent adhesion to many other non-porous materials e.g. ceramics, enamel, porcelain, coated wood, painted surfaces, canvas, some rubber, most metals (mild steel, stainless steel, aluminium, copper, tin, galvanized iron, brass or zinc) and some plastics acrylics (epoxide, acrylics, polyester, polyacrylate, polycarbonates, polystyrene, formica, fiberglass, polycarbonates and rigid PVC).

LIMITATIONS

- May become discoloured in contact with some organic elastomers, which tend to bleed oil or solvents into the silicone, e.g. EPDM, APTK, Neoprene and Bituminous surfaces.
- Not suitable for contact with natural stone i.e. marble, granite, quartzite as it may discolour the surfaces.
- Will not adhere to some plastics such as polyethylene, polypropylene and Teflon.
- NOT SUITABLE FOR FISH TANKS (contains a fungicide).
- Do not apply sealant when relative humidity is below 10% - cure rate will be affected.

SAFETY INSTRUCTIONS

Bostik Mirror is non-toxic, however it is advisable to wear gloves in order to avoid direct skin contact. In the event of skin or eye contact, rinse thoroughly and immediately with water. Seek medical assistance if irritation or discomfort persists. Avoid breathing in vapours. Always work in a well ventilated area. Keep out of reach of children! Cured silicone rubber can be handled without any health risk. Refer to our Safety Data Sheets for further toxicological information and comprehensive handling instructions.

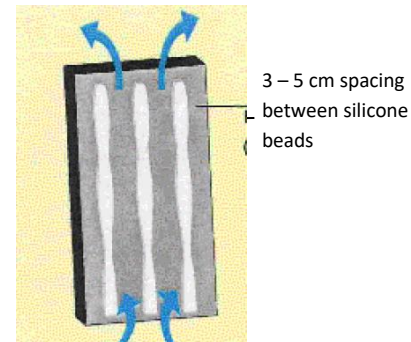


SURFACE PREPARATION

Ensure surfaces are clean, dry and free of loose materials, dust, grease, rust and other contaminants. Surfaces such as metals and glass should be degreased with a solvent e.g. acetone. Plastics should be lightly abraded with emery paper. Soaps or detergents used to clean the surface must be rinsed away thoroughly with clean water to ensure that all traces of the soaps are removed before sealing. Poor surface preparation may result in the delamination of the silicone.

HOW TO USE

1. Ensure that surfaces are prepared as above.
2. Remove cap from tube and pierce film with reverse side of cap to break seal.
3. Apply silicone in narrow vertical beads (4mm bead size with 3 – 5cm spacing)
4. After applying the adhesive, press the mirror firmly onto the surface within 15 minutes before skin formation occurs on the silicone.
5. Ensure that the mirror is firmly fixed in place on the surface.
6. Support blocks or adhesive tape must be used to provide initial support until the silicone is fully cured (approximately 48 hours). Very large mirrors may require the use of permanent mechanical support in addition to Bostik Mirror.



APPLICATION PRECAUTIONS

Never apply a perimeter bead of silicone around the mirror and never apply the silicone in large blobs (typically one at each corner). These application techniques will prevent the silicone from curing fully, risking catastrophic failure as well as increase the risk of discoloration occurring and showing through on the mirror face. Avoid getting silicone on the front face of the mirror.

CLEANING

- Uncured silicone can be removed from the hands or tools using a clean solvent soaked cloth, e.g. turpentine or paraffin. If removing uncured silicone from clothing, check fabric colour fastness before applying solvents.
- Cured silicone must be removed mechanically with a sharp knife or chemically with Bostik Silicone Stripper.

STORAGE STABILITY

Bostik Mirror has a shelf life of at least 18 months if stored in a cool (below 25°C), dry place in its original moisture-tight container. If the material is kept beyond the recommended shelf life, it is not necessarily unusable, but a check should be performed to observe whether the product is still workable, apply-able and uncured. To maximize the shelf life of the opened cartridge, we recommend that the nozzle be removed and a piece of plastic placed over the cartridge tip after which the nozzle must be screwed back on. A large screw inserted into the nozzle tip also helps.

PRODUCT PACKAGING

- 90ml Tube
- 280ml Cartridge

TECHNICAL DATA SHEET

PRODUCT CHARACTERISTICS

Type	Neutral cure
Appearance	Homogenous non sag paste – clear
Density (g/cm ³)	1.03g/cm ³ at 23°C [ISO 1183]

TYPICAL PERFORMANCE DATA

Application temperature	5°C to 40°C
Skin over time	Approx. 15 minutes [ISO 7390, Profile U20]
Curing time	Approx. 24 hours per 2mm
Coverage	5 linear meters (4mm x 4mm joint)
Chemical resistance	Resistant to most diluted mineral and organic acids, alkalis and salts at normal temperatures
Temperature resistance	- 40°C to 120°C
Water resistance	Waterproof
Tear strength	4.0 N/mm ² [ISO 34 Method C]
Tensile strength	0.6 N/mm ² [ISO 8339]
Modulus at 100% elongation	0.36 N/mm ² [ISO 8339]
Elongation at break	300% [ISO 8339]
Movement accommodation factor	25% [ISO 11600]
Shore A hardness	18 [ISO 868]

DISCLAIMER

The above information is only offered as a guide to the use of this product. Furthermore, users should satisfy themselves that it is suitable for their needs. Since we have no control over the conditions under which it is used, we cannot accept responsibility for the problems caused by the use and/or application of this product.

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