



PFG is the leading manufacturer of quality mirrors in Africa.

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Member of the PG Group

1. Storage & transportation

DO

- Store mirrors vertically. Do not lay mirrors flat.
- Make sure that the handling equipment used is strong enough to handle the weight of the mirror. A dropped mirror is a ruined mirror.
- Ensure that the area where the mirror is stored, is dry – avoid condensation.



Note

Glass exhibits more strength when stored upright.

2. Processing & cutting

DO

- Make sure that mirrors (especially backs and edges) are thoroughly washed after manufacture – use clean water to wash.
- Replace water in polisher and/or beveller regularly/ weekly. The water PH level is recommended to be between 6.5 and 8.0 (close to neutral).
- PFG highly recommend using a water based varnish to seal all processed edges.
- Run the processing machine empty before taking a break or shutting for the day:- to prevent mirror standing in water longer than necessary.



- When cutting the mirror, try to keep at least one factory edge, and install this edge at the bottom where puddling may occur.
- Always grind or polish as shown, to minimise chipping and damage to the protective paint layer.



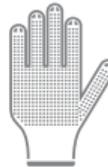
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(Rev. 1)

3. Fixing & installation

DO

- Use gloves when handling a mirror, to prevent skin-borne salts or chemicals from damaging the mirror face or backing.
- Wear the correct safety equipment.
- Paint the wall behind the mirror only with enamel paint and allow the paint to dry.
- Set the mirror at least 5mm off the wall, allow air to circulate behind the mirror - don't seal the mirror into the recess. Recommended in EN 1036.
- Use a water based varnish to seal the edges in any area of high humidity - bathrooms and gyms.
- The adhesive MUST say 'suitable for use on mirror'.
- Only use adhesives that are specifically recommended for use on mirrors. Apply the adhesive in vertical strips – see diagram.



- Only use approved tapes, mastics and adhesives. Contact your adhesive supplier for recommendations. PFG recommends caution using any silicon in contact with mirror.
- Use grommets on screws to protect metal screw contact on glass.
- Only use neutral cure silicons and tapes specifically recommended for use on mirror.
- Follow the adhesive manufacturer recommendations.
- Ensure that the area is well ventilated and free of fumes or solvents, typically from grout cleaners, tile adhesives or similar.

Note

- If adhesive is used, be sure it is approved for mirror use.
- Never use an abrasive cleaner on any mirror surface.
- Mechanical fastening devices should always be used in conjunction with the adhesive – this helps prevent possible personal injury or damage if the adhesive fails.
- Remove surface marks or dirt with an oil-free cloth.
- A frame is recommended for longevity.
- Remember many silicons are sealants not glues!
- Ensure the correct product with sufficient tactile and adhesive strength is used as recommended by the adhesive supplier.

4. Maintenance

- Clean the mirror regularly by washing it with a soft cloth, rinsing it with warm water and drying it with a soft cloth. When using a window cleaner, spray the liquid on the cloth first, and then wipe the mirror. Keep the mirror edges dry at all times.



DO NOT

- Install mirrors on new plaster, new masonry or on a freshly painted wall.
- Use silicon with algacide or that says 'mold resistant'.
- Use acid based glues: only neutral cure adhesives.
- Install mirrors outdoors, without additional engineered protection for the backing and edges of the mirror.
- Use any acid or alkali cleaners on mirrors. Chemicals attack the surface, edges and backing of the mirror.
- Do not install on uneven surfaces. This can cause stress or strain on the mirror, which can cause it the surface or backing to crack. It can also cause the mirror to warp, leading to distortion.
- Slide one mirror sheet over another, as this will scratch the mirror surfaces.



Mirrors

ESSENTIAL STORAGE,
INSTALLATION AND
MAINTENANCE GUIDE

