



# Instruction Manual

## Concealed Mirror Hanging System

BO 52 082 28  
BO 52 082 30

safemax 08® (max. 0,8m<sup>2</sup> / 12 kg)  
safemax 16® (max. 1,6m<sup>2</sup> / 24 kg)

incl. 2 plates 100x100mm  
incl. 2 plates 200x100mm

All safemax® sets can also be mounted under wet room conditions and outdoors, as long as they are not exposed to direct rain (Temperature range +0° to +60°C)!

### ATTENTION :

- Suitable for vertical mounting of mirrors as per DIN EN 1036 (not suitable for antique mirrors or mirrors with special coatings on the back side, e.g. MiroxSafe etc.)
- Back side of mirror has to be clean, dry and free of grease.  
Press each mirror plate with its full surface with a pressure of approx. 200-N (20 kg) for approx. 5 seconds onto the mirror.
- Bonded mirror plates should rest for 30 minutes before mirror is hung up.
- Mirror must be mounted free of tensions

### Preparation for mounting

Mark position of the mirror on the wall by holding it against the wall and marking the mirror edges.

### Preparation of mirror

Place the mirror with its back side facing upwards on a flat, clean surface (e.g. glazier felt). Clean the back side with a silicone free glass cleaner. The surface must be clean, dry and free of grease.

### Bonding of Mirror Plates and Spacers

Bonding of mirror plates requires a minimum room temperature of 18°C (mirror as well as plates must not be cooler than room temperature). Mark the position of the plates on the backside of the mirror with a soft pencil. The two folded-edged plates ① for SafemaX 08® and 16® should be marked at a position 10 cm from the upper and left/right side edges. The two flat metal plates ② should be marked at a position 5 cm from the bottom edge and 11.5 cm from the left/right side edges.

The spacers ③ will prevent a bending of the mirror after mounting. Remove protective film from the spacers and distribute the spacers over the entire backside of the mirror.

Remove protective film from the folded-edged plates. Hold the plate so that the largest fold is at the top. With the bottom of the plate lifted at an angle of approx. 30°, place the top edge of the plate along the top marked line. Keeping the side edge perfectly aligned with the side marked line, press the metal plate into position. Next, remove protective film from the flat metal plates. With the top of the plate lifted at an angle of approx. 30°, place the bottom edge along the bottom marked line. Keeping the side edge perfectly aligned with the side marked line, press the metal plate into position. Once the mirror plates have been bonded, their positions can no longer be adjusted.

### IMPORTANT:

Press each mirror plate with its full surface and a pressure of approx. 200 N (20 kg) for approx. 5 seconds onto the mirror and leave to rest for 30 minutes!

### Mounting of Eccentric Discs and Magnets to the Wall

Refer to the marked wall position of the mirror.

Mark the bore holes for the eccentric discs ④ 12 cm from the upper edge and 15 cm from the left/right sides of the marked mirror position. The bore holes for the magnets ⑤ should be marked 8.5 cm from the bottom edge and 15 cm from the left/right side edges. Drill 6 mm holes.

Insert dowels in the bore holes. With the base plate of the magnets facing the wall, screw the two magnets into the bottom bore holes. Screw the eccentric discs into the upper bore holes, making sure that the notched side of the eccentric disc faces the wall (Important: The notch must appear at the side of the disc, i.e. horizontal, and not at the top or bottom.)

The eccentric discs can be adjusted by +/- 3 mm in height to allow horizontal adjustment of the mirror.

(Please note: Any unevenness of the wall must be corrected to allow tension-free mounting of the mirror.)

### Hanging and Adjusting the Mirror

After allowing the metal plates to bond to the mirror for 30 minutes, firmly press plates to the mirror once again. Hang the mirror into the eccentric discs, then gently pull downward and press the mirror against the magnets. By turning the eccentric discs, the height can be adjusted to align the mirror

### Removing and Re-hanging the Mirror

Grip the mirror with both hands at the height of the magnets behind the mirror. Gently pull with a jerk to release the magnetic force; the mirror can then be lifted out of the upper fixtures. To re-hang the mirror to the wall, simply position the mirror in the eccentric discs as before with the metal plates aligned over the magnets. Gently pull downward and press the mirror against the magnets.

- Tip 1.** To obtain a larger distance between mirror and wall (e.g. for a transformer for 12 V mirror lamps) distance plates between wall and eccentric discs/press buttons can be used. (longer screws may be needed in that case).
- Tip 2.** After having bonded the mirror plates, a splinter protection film can be applied to the mirror. Simply cut out the mirror plates from the film.
- Tip 3.** When using mirror heating systems, there must be a distance of min. 10 cm between plates and heating.

Reasons why the mirror does not adhere:

- Plates have not been pressed onto the mirror with their whole surface with the result that they are only punctually bonded and consequently cannot hold the weight of the mirror.
- Mirror back side was not sufficiently cleaned and the plates could not be bonded properly.
- Wall is uneven and mirror is under constant tension. This can result in a debonding of the adhesive tape from the mirror over time.

### Storage

12 months after customer receipt if stored in unopened packing in a dark room with 50 % relative humidity and at a temperature of 20° C.

### Warranty

The manufacturer is liable as per the Product Liability Act.  
Warranty is excluded when the product has not been used correctly.

### Disclaimer of warranty

Above information is given to the best of our knowledge but are non-committing advices. The given information does not free you from assessing the suitability of these products for your purposes, applications and procedures. As the safe installation of a mirror depends on many factors which are beyond the control of the manufacturer, the installation is subject to your responsibility. Sales are subject of our current sales conditions.

