

## Acrylic Mirror Installation

### Preparation for Installation

Clear the area your working in of all unnecessary clutter and ensure all surfaces are clean, dry, and free from grease or any contaminants that may hinder adhesion or damage the reverse of the Mirror.

If screwing the mirror to the wall gather the tools you need to complete the whole job. Pencil, tape measure, drill (with the correct bit for your type of wall), the correct wall fastening for your wall (wall plugs differ for different wall types) screwdriver, a spirit level (if available) if not most smart phones can download an app.



Ceiling and overhead installations are not recommended unless the mirrored acrylic is mounted in edge-engaging frames such as T-bar suspended ceiling frames or mechanical mounting.

Acrylic is not as rigid as glass and as such must be mounted properly. Since the acrylic mirror is somewhat flexible, it can, in time, conform to the irregularities of the supporting surface. A non-smooth surface will cause localised bending of the mirror sheet and distort in the reflected image. Visual distortion is also a by-product of viewing distance and material thickness. Thicker acrylic is less flexible and therefore maintains better optical integrity. Correct installation and sufficient material thickness can reduce visual distortion but may not eliminate it.

For best results, mirrored sheets should be mounted to a smooth, rigid, sturdy flat backing such as 6mm Marine PLY or equally flat surface.

Last but not least an extra pair of hands is always useful.

### Fitting with Mirror Adhesive

Only use our AC035 Mirror Adhesives which is designed for use with acrylic mirror, you can purchase direct from our accessories page. If using your own mirror adhesive avoid adhesives which may contain solvents such as toluene, ketones and hexane that can attack the mirror's back coat. Adhesives with solvents of 5% or more are not recommended. Using the wrong Mirror adhesive can result in damage/marks to your acrylic Mirror. Apply using a standard sealant gun. Cut tip from cartridge, be careful not to damage the screw thread. Cut the nozzle at an angle of 45° and fix to cartridge. Using a caulking gun apply sealant.

Apply adhesive in vertical beads of 120 – 150mm apart, starting about 70mm from the edge.



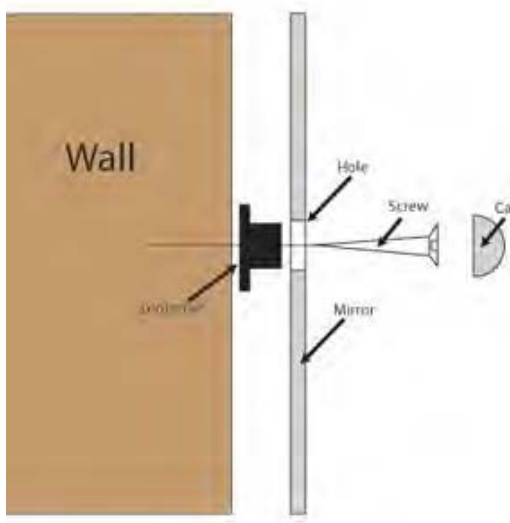
Mount mirror within 10 minutes of applying adhesive. Support mirror mechanically (mirror clips, etc.) until adhesive dries. Do not apply adhesive if the area temperature is below 15.5°C (60° F). Read and follow the AC035 adhesive instructions carefully.

Remove the protective film and Clean Acrylic mirror with a micro fibre cloth and soapy water, or suitable Plastic Cleaners.

### Fitting an Acrylic Mirror to the wall using screw fixings.

Be clear where you want to put the mirror before you start. Measure the mirror and the wall. Measure twice and fit once is always useful and can make the job easier.

Start by marking where the centre of the mirror wants to be, then measure equal distance either side of this line where the two uppermost holes want to be located, ensuring these are level with each other and the distance between the hole marks are equal to the distance between the centres of the holes of the mirror.



Drill and plug these two holes in your wall.

Place the rubber grommets into the top two holes of the mirror, from the back of the mirror, then offer the mirror up to the wall so the holes of the mirror correspond with the new holes and plugs in the wall.

VERY CAREFULLY, put the screws through the holes and grommets in the mirror and into the plugs in the wall, tighten screws ONLY enough to hold the mirror firm, DO NOT over tighten, you will crack the acrylic mirror. With both screws in place you should now be able to release the mirror and it will hang on the two screws. With the mirror on the wall, mark the other two holes with a pencil through the holes in the mirror. Carefully remove the mirror from the wall and place to one side.

Drill and plug the two newly marked hole locations. Repeat the earlier step, offer the mirror up to wall and align with all four holes. fitting the top screws first, but DO NOT tighten before fitting the bottom two screws.

TIP: If you have any curvature in the wall, even one you can't see and you tighten the screws too soon, you may break your mirror.

With all 4 screws in place, tighten each screw gently and in turn, a little at a time, until the mirror is held firmly on the wall, there is no need to over tighten, just enough to hold the mirror to the wall.

Finally screw on the chrome caps and Clean your Acrylic mirror with a micro fibre cloth and soapy water, or suitable Plastic Cleaners.