

Acril Convex Polycarbonate Mirrors

This guide applies to our special range of polycarbonate mirrors for high security applications only. For standard applications use our range of standard acrylic mirrors. Each type is supplied with a fully captive frame that holds the mirror secure and all fixing points are countersunk to remove lynching points. The mirrors are registered Australian Designs.

Corner Installations



Side Elevation

Use the quarter dome mirror for corner applications. The mirror fits flush into the corner of the wall and the ceiling junction and any cornice should be removed to accommodate this. Quarter dome mirrors will provide a minimum 90-degree of vision.

Quarter Dome mirror & frame. Aust. Design 142608

Mid-wall Installations

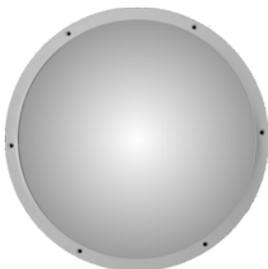


Front Elevation

Use the Half dome mirror for this application. The mirror fits flush between the wall and the ceiling junction and any cornice should be removed to accommodate this. Half dome mirrors provide minimum 180-degree vision.

Half Dome mirror & frame. Aust. Design 142609

Ceiling Installations



Plan View

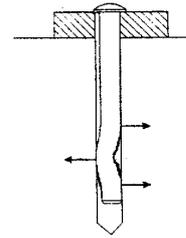
Use the full dome mirror for this application. The mirrors fits flush to the ceiling and can be placed anywhere on the ceiling to provide the necessary vision. Dome mirrors provide a minimum 180-degree of vision regardless of the observation point.

Full Dome & frame. Aust. Design 142610

Fixing Instructions

The frame of the mirror is designed to prevent the mirror from being dislodged from the surface and to hold the mirror securely. Each type of mirror is fixed in the same manner. Test the location of the mirror for a snug fit and remove any ceiling cornice that may interfere with the frame. Mark the position of each hole and drill accordingly. Fit the mirror inside the frame and attach the frame to the surface.

The standard fixing method recommended is to use a stainless steel mushroom head spike however any appropriate fastener that is non-removable maybe used. It is important that the fastener is driven true and below the surface of the frame so that the head cannot be used as a lynch point.



Care should be taken not overdrive the fastener so as to cause damage to the powder coated surface. Finish off by applying (optional) a bead of non-pick sealant around the frame and the wall to prevent the secretion of small objects (e.g. razor blades etc).

Cleaning & Maintenance

The cell mirrors are manufactured from 3mm mirrored polycarbonate. This material is extremely strong but does have a reasonably soft surface and therefore requires a little care when cleaning. Once the mirrors have been installed and prepared they will require little maintenance other than occasional cleaning. Clean the surface using warm water and detergent applied with a soft damp cloth only.

- **Do not use abrasives or spirit based cleansers.**
- **Do not use paper towel.**
- **Use a soft open weaved cloth only.**

Once cleaned, use Mr Sheen, Pledge or a similar silicon wax for general polishing.

To remove scratches and surface blemishes the following is recommended.

- For cleaning/polishing use NOVUS plastic polish #1
- For fine scratches use NOVUS plastic polish #2 followed by #1.
- For badly scratched surfaces use NOVUS plastic polish #3 followed by #2 and then #1.

For more information contact -

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This data applies to our range of polycarbonate cell mirrors.

Enclosing Frame

Each mirror is housed in a fully enclosed in a steel powder-coated frame. The frame is inherently safe with all mounting holes countersunk and the frame utilises a 'tabless' construction providing smooth curved surfaces to eliminate lynching points. One of the following design registrations applies to the mirror product.

Quarter Dome Mirror & frame (Corner mounted)
Australian Design No. 142608

Half Dome Mirror & frame (mid wall mounted)
Australian Design No. 142609

Dome Mirror & Frame (ceiling mounted)
Australian Design No. 142610

The design number ensures that the product is manufactured in accordance with the original design and guarantees that the product meets all specifications.

Mirrors Sheet Specifications

The following data is provided by the polycarbonate sheet manufacturer –

	ASTM Method	Unit	Value
*Tensile Strength	D 368	PSI	4,500
*Impact Strength	D 256	Ft-lb/inch	17.0

Recommended Fixing Method

Installation is fast & easy using either a 40 or 50mm x 6.5mm Rawl Spike anchor. The spike method ensures a tamper proof installation and once inserted cannot be easily withdrawn. Other forms of fixing are appropriate if recognised as suitable for the application.