

# MIRROR GLASS



Mirrors or silvered glass are more than just vanity pieces. Mirror products are used as design features in home, retail or commercial interiors or to brighten up small spaces due to the effect of mirror reflections. One common method of mirror glass manufacture is called the 'dual coat' process. This involves coating clear or tinted glass with silver and then layering protective coats of copper and paint which help protect the mirror from corrosive chemical attack and abrasion. The most recent technology in mirror manufacturing produces a product which is copper and virtually lead free (lead content of the paint <0.5%) and offers longer resistance to corrosion and aggressive chemical agents than conventional mirrors..



6mm Grey Silver

## PRODUCT SPECIFICATIONS

THICKNESS & TYPE	SIZES
4MM SILVER	3660MM X 2440MM
6MM SILVER	3660MM X 2440MM
4MM GREY SILVER	3660MM X 2134MM
6MM GREY SILVER	3660MM X 2440MM
6MM BRONZE SILVER	3660MM X 2440MM
8.38MM LAMINATED	CUSTOM SIZES

## DESIGN AND GLAZING NOTES

### EDGE CORROSION

Essentially, mirror contains metals such as silver and sometimes copper which can tarnish or corrode when exposed to moisture over a period of time. This is often evident through black edge/creep and clouding. Though the paint protects against abrasion and chemical attack, it does not protect the edges that are disturbed during edge working. Exposed, frameless mirrors are more susceptible to edge corrosion in this sense. Framed mirrors have more protection from moisture and corrosion.

### INSTALLATION

There are a number of ways to install mirrors which include screw fixing mirrors to the wall or use of adhesive tapes and glues. With the use of vinyl backed mirrors, compatibility between the tape / adhesive and the vinyl material backing is critical to prevent mirror from falling off the wall. We also recommend vinyl back mirrors be supported by a bottom ledge. Before fixing mirrors, it is best to consult the tape/adhesive supplier for a product that best suits the vinyl material backing and recommendations on methods of application and fixing. For bathroom vanity applications, vinyl backed mirrors do not always have to be used. AS1288 Glass in Buildings – Selection and Installation allows restricted use of ordinary annealed mirror over vanities. Direct application of tape/adhesive to the mirror paint rather than the vinyl back provides a better bond and less chance of the vinyl backing 'slipping' or 'peeling' away from the mirror. Refer to AS1288 for specific details.

### VINYL BACKED ORGANIC SAFETY MIRROR – GRADE A

Available in 4mm and 6mm thicknesses and manufactured to AS 2208 and satisfies AS1288 human impact requirements. A large range of sizes are kept up to 2760mm x 1220mm to suit most robe door panels. National Glass does not manufacture vinyl back mirror at its production facilities, the product instead being purchased in ready to cut sheet form.

### HANDLING

Mirrors should be stored in moisture and chemical free environments and clean butcher's paper should be used when separating mirrors. Newspaper should not be used. When mirrors have clean cut edges, direct handling without gloves should be avoided.

### EDGEWORKED MIRRORS

All edgeworked mirrors processed at National Glass are wrapped and edge corner protected.

### CLEANING

The best method to clean mirrors is to wipe the mirror face with a soft cloth and a few drops of diluted methylated spirits. Ensure no cleaning fluid spills over the edge on to the backing paint or edges. It must be noted that standard household cleaners contain chemicals which can damage the mirror coating. Wherever possible, avoid contact with the edges and backing paint and do not use abrasive cleaners.