



12 TOWNSHIP DRIVE, WEST BURLEIGH, QLD 4219
Telephone: 07 5535 7544 Facsimile: 07 5535 7522
sales@pmplastics.com.au www.pmplastics.com.au
Monday to Friday 7.30am to 4pm, ABN: 80 074 424 598

EUROMIR

Coloured Acrylic Mirror Sheets

Advantages

- ✓ Lightweight;
- ✓ Break resistance: can be 10 times more break resistant and has 17 times greater impact Resistance than glass of equal thickness;
- ✓ Mirrored acrylic can be cold bent for curved shapes or strip heated for a sharp bend;
Cold formable: simple curves of not less than 1.150 mm radius for a thickness of 3 mm and 2.300 mm radius for a thickness of 6 mm;
Thermo formable: limited to straight line strip heating and bending;
- ✓ Easily fabricated: scribe and break, cut with power saw using veneer type blades
- ✓ Drill with soft metal bits or special bits.
- ✓ Surface decoration: painting, stencilling, appliqués, engraving, hot stamping;
- ✓ Cleaning: EUROMIR Mirror should be cleaned by applying plastic polish to the front surface of the mirror and wiping with a soft cloth;

EUROMIR Mirror offers a combination of the lightweight shatter-resistant qualities of acrylic plastic with reflective qualities. As acrylic has a relatively soft surface and is flexible some distortion may occur. EUROMIR Mirror is intended primarily for small areas like interior fittings for decoration, display, visual merchandising, store design, and/or where safety requires the shatter resistance of acrylic plastic sheet. EUROMIR Mirror should not be used where precise image reflectance is required except in relatively small components. An appropriate thickness should be determined prior to cutting.

EUROMIR Mirror is not recommended for outdoor applications. It can not be hollow punched but can be router, saw or laser cut. Some adhesives attack the mirrored surface therefore we recommend testing expendable pieces at least 24 hours in advance to determine suitability. Solvent gluing at edges may cause crazing.

Suggested adhesive to be used with EuroMir acrylic mirror sheet is Anglosol Evo-stik mirror adhesive which is specially formulated to retain elasticity. It will bond to timber, bricks, concrete, glass etc

EUROMIR Mirror is a combustible thermoplastic. Precautions should be used to protect the material from flames and high heat sources. Any significant coverage of interior wall or ceiling areas will be subject to approval under local building and/or fire codes governing interior finish applications.

Material should be stored in a cool, dry area. Changes in humidity levels cause the biggest variation in thickness and size. The material should be stored flat and over wrapped with plastic to minimize absorption of water vapour. Protective film should not be removed until manufacturing is complete. Handle with care during manufacturing and handling of both sided of mirror sheet

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Physical Properties

Weather ability

Acrylic plastic alone has an excellent outdoor weather ability. However, the mirrorizing back coat may develop pinholes and/or oxidation spots in exterior applications. This can occur on either the front or back surfaces exposed to the elements. Service life is not really definable and will vary widely with the severity of exposure to weather conditions.

Rigidity

EUROMIR Mirror sheet is a flexible material with roughly 1/20 the stiffness of the glass of the same thickness. This characteristic is generally advantageous, but due consideration must be given to deflection of unsupported areas because of the weight of the sheet or other imposed loads. The result is some image distortion which becomes more noticeable as the area of coverage increases. Distortion can be minimized but not entirely eliminated (except in relatively small panels) with increased EUROMIR Mirror thickness and proper installation on a rigid substrate.

Temperature and Humidity

Linear dimension changes in EUROMIR Mirror panels due to changes in ambient temperature and humidity will be greater those that will occur in other common building materials to which EUROMIR Mirror is fitted.

Install EUROMIR Mirror at normal room temperatures to keep subsequent temperature change to a minimum. Avoid installation of EUROMIR Mirror near sources of high heat or humidity that could warp the panels.

Handling, maintenance and cleaning of acrylic mirror sheet

HANDLING

All EUROMIR sheets are supplied with a protective masking on the topside of the sheet. Do not slide the sheets when transporting. The masking should be left on the sheet during storage and fabrication to prevent damage. The materials should be stored in a clean, dry and warm area with the original packing intact. However, this is not always practical as all or part of the shipment must be unpackaged for the customer to use. In these cases, the following guidelines should be followed:
Vertical storage: If the mirror sheets are to be stored on end, care must be taken to avoid warping. Sheets must be stand with an angle of no more than 10° from the vertical.

Horizontal storage: If the acrylic mirrors are to be stored flat, care must be taken to avoid warping, slipping and scratching. If different sizes are to be stored together, make sure the largest panels are at the bottom and the smallest on top. This will prevent overhang which can lead to warping and slipping during movement. Preventing chips or dirt from settling between the sheets will reduce the risk of scratching if a slip occurs, or while unpacking. Pallets are packages with a heavy cardboard sheet and four save corner, which protect the sheets from dirt and blows.

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MAINTENANCE

Masking: Each mirrored sheet is well protected by a durable paint backing and a removable masking on the front. This mask should remain in place in place to protect the sheets during all phases of fabrication and installation. EUROMIR Mirror sheets should be handled mirror side down, with the masking left on. Care should be taken not to slide sheets against each other.

Removing Masking: If there is any difficulty in removing the masking use aliphatic naphtha, kerosene, or distilled alcohol to moisten the adhesives. Do not use other chemicals or sharp objects to remove the masking.

CLEANING

Washing: Use a mild dish soap, water and soft cloth to wipe the surface, apply only light pressure. To remove a grease, oil or tar deposit on the material use hexane, kerosene or aliphatic naphtha. Do not use any chemicals on a painted print design. Do not use window-cleaning sprays, kitchen scouring compounds or other chemicals used to clean glass mirror.

Polishing: A surface gloss can be maintained by occasionally using a soft flannel cloth and a good plastic cleaner or polish. Follow the instructions for polishing on the container.

Removing Scratches: Fine scratches can be removed by hand polishing with a plastic scratch remover or compound cleaner. Remove all residues and polish with a flannel cloth. Deep scratches may need to be lightly sanded.

IMPORTANT:

The information contained herein is not to be taken as warranty or representation for which we assume legal responsibility nor a permission, inducement or recommendation to practice any patented invention without a license. The information is offered solely for your consideration and investigation. Users should perform their own testing and verification to determine the applicability and suitability of the information and any products for their own particular purpose.

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AVAILABLE IN THESE SIZES AND COLOURS:

COMMERCIAL MIRROR ACRYLIC

SILVER 2mm 2440 x 1220
SILVER 3mm 2440 x 1220
GOLD 3mm 2440 x 1220

EUOMIR MIRROR ACRYLIC

AMBER 3mm 3050 x 2030
ANTHRACITE 3mm 3050 x 2030
RED 3mm 3050 x 2030
PINK 3mm 3050 x 2030
NIGHT BLUE 3mm 3050 x 2030
GREY 3mm 3050 x 2030
GOLD 3mm 3050 x 2030
BRONZE 3mm 3050 x 2030
YELLOW 3mm 3050 x 2030
PURPLE 3mm 3050 x 2030
BLUE 3mm 3050 x 2030
SILVER 3mm 3050 x 2030



EUOMIR SATIN MIRROR ACRYLIC

GOLD SATIN 3mm 3050 x 2030
BRONZE SATIN 3mm 3050 x 2030
SILVER SATIN 3mm 3050 x 2030
RED SATIN 3mm 3050 x 2030

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