



Euromir – Material Information Sheet

Euromir is a high quality acrylic mirror product that is available in a range of thickness and decorative colours. The material is essentially a high quality extruded acrylic sheet with a metalized back which gives it its reflective qualities. The metalized back is protected with a coat of paint which also provides the opportunity to bond it to a substrate using recommend adhesives only.

Euromir is not generally recommended for outdoor applications.

The manufacturer goes to great lengths to ensure any faults are minimized but as the material is a manufactured product the occasional imperfection can occur so please check the sheet prior to installation and report any faults to the supplier Allplastics prior to use. Please note that on occasion the back of the sheet may be marked but as long as these issues can't be seen from the face of the material the sheet is deemed to be in saleable condition.

INSTALLING ACRYLIC MIRROR:

Acrylic mirror has many advantages over glass. It is 1/2 the weight and stronger than glass. It can be easily cut or shaped to fit a frame. In appearance, acrylic mirror is indistinguishable from glass. Therefore, it must be mounted properly.

Acrylic mirror is somewhat flexible, it can, in time, conform to the irregularities of the supporting surface. A non-smooth, non-planar surface will cause localized bending of the mirrored sheet and distortion in the reflected image. Visual distortion is also a function of viewing distance and material thickness. Thicker acrylic is less flexible and therefore maintains better optical integrity.

We generally stock 3mm thick in all colors and limited amount of 6mm thick silver.

Correct installation and sufficient material thickness can reduce visual distortion but **MAY NOT COMPLETELY ELIMINATE IT.**

For best results, mirrored sheets should be mounted to a smooth, rigid, sturdy flat backing such as 12mm or 18mm MDF, medium-density fibre board, or equally flat surface. Surface should be clean, dry and free of any flaking or powdery paint.

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.

When Drilling acrylic mirrors please allow for oversize holes due to expansion.

Mirrored acrylic has a reflective film applied to backside of the acrylic . Paint is then applied to protect the reflective surface. Use only adhesives designed for acrylic mirror. Some adhesives may contain solvents such as toluene, ketones and hexane that can attack the mirror's backcoat. Adhesives with solvents of 5% or more are not recommended.

Since numerous adhesives, cements, and mastics are available, they should be tested on a sample piece prior to application. All tests should be applied at least 72 hours in advance to determine compatibility to the backcoat, the reflective coating and the acrylic itself.



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Apply adhesive in vertical beads of 150mm apart, starting about 75mm 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 temperature is below 15° C. Read and follow adhesive instructions carefully. Clean mirror with a micro fiber cloth and soapy water, Brillianize or Novus Plastic Cleaners.

Again we stress, before using any adhesives, cements, or mastics, please test expendable samples for at least 72 hours to determine suitability.

HANDLING:

All EUROMIR® sheets are supplied with a protective masking on the topside. Do not slide the sheets when handling or transporting. The masking should be left on the sheet during storage and fabrication to prevent damage.

CLEANING:

Use recommended plastic "VUplex" or Anti-static cleaners.

The above cleaners you can buy from Allplastics Engineering.

Caution: The use of abrasive cleaners or course cleaning cloths will scratch the surface.

THERMAL EXPANSION:

As the Euromir is manufactured from acrylic sheet it is subject to thermal expansion and contraction due to significant variations in temperature, therefore where significant variations in temperature are expected an allowance must be made for thermal movement of the material. Please refer the supplier for recommendations.

THICKNESS VARIATION:

Euromir gloss is manufactured from extruded grades of acrylic whilst our Satin finishes are manufactured from cast acrylic. Both are subject to thickness variation due to the inherent nature of the material. Please contact the supplier for further information as required.



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