



## 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.

### **CEMENTING:**

Mirrored acrylic, like mirrored glass, is a reflective film applied to a substrate. When the substrate is affixed to another surface, both of these materials will conform to all the irregularities of the supporting surface.

A non smooth, non planar i.e. uneven surface will cause localized bending of the acrylic mirrored sheet and distortion in the reflected image.

For best results, mirrored acrylic should be mounted to a smooth, rigid, sturdy, flat backing such as MDF (Medium Density Fiberboard) or Ply. The surface should be coated with a good paint or sealant to cover pockets and seal out moisture. The entire surface should then be covered with an appropriate adhesive (Allplastics supplies an adhesive that is fit for this purpose) or a good quality Non- Acid Silicone Sealant (refer the manufactures recommendations for the appropriate application of this product). Silicon generally cures at a rate of 2mm every 24 hours so please ensure that the material is braced whilst the silicone is reaching its full bond strength.

n.b. As this material is flexible an uneven glue line or adhering it to an uneven surface will cause distortion in the reflective image. Further, adhesives that don't have a negative impact on the painted back on the material and retain some elasticity are required (please refer to the supplier for any further information).

### **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.



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### **CLEANING:**

Washing: Use mild dish soap, water and a soft cloth to wipe the surface, apply only a light pressure.

To remove grease, oil or tar deposit on the surface, use hexane, kerosene or aliphatic naphtha. A weak mix of Methylated Spirits and Water (1 part Methylated Spirits with 2 parts Water) will also provide good results.

Some window cleaners may be appropriate but please refer the supplier for further information.

**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.