

Technical info; Pool windows and Weirs.

### **Windows;**

Glass panels forming windows in pools can be made in many shapes and sizes. They can also be fitted in varying positions in the walls and floor of the pool. This can often add an interesting and varied treatment to both sides of an otherwise plain looking surface.

Factors which affect the thickness and type of glass used are;

- Dimensions of the glass
- Position of the glass in the pool
- Volume of water placing pressure on the glass.

A high volume of water putting pressure on a large piece of glass will require much thicker glass to withstand that pressure!

### **Weirs;**

Glass panels fitted to the ends or side of a pool forming a spillway or weir, give the water that non defined infinity edge look. This can often give the illusion that the pool is longer or wider than it actually is and is often used where there may be a dramatic view to highlight or in a small space, so that the pool appears larger. Glass panels used as weirs often have to bear enormous water pressure loads and are therefore required to be relatively thick. This makes them heavy to maneuver into position and sometimes require a site crane.

### **Installation;**

Glass windows and Weirs are generally installed into rebates in the concrete wall or floor of the pool. The size of the rebate is determined by the size of the panel of glass and is designed by Euroglass's engineer\*\*. The larger the panel of glass in each instance, the larger the rebate required. Rebates are formed according to the design engineer's dimensions \*\* during the pool shell installation process and then water proofed using a cementitious waterproofing compound. The glass is then epoxied or glued into position and allowed to dry for 7 days before filling the pool with water. In the case of glass weirs where there maybe an exposed top edge, Euroglass uses a water resistant interlayer between its layers of glass so no capping channel is required on top of the glass.

**\*\* Euroglass employs an independent design engineer who specifies glass type and thickness and provides an independent Form15 so you have peace of mind that your pool window or weir will be fit for purpose and you have cover in the event of a design failure.**