

### **Q1 – What is Zenolite?**

A - Zenolite is an extruded, high gloss, rigid thermoplastic material made up entirely of Acrylic (PMMA – polymethylmethacrylate). It consists of a thick water clear top layer which has been permanently fused to a high solids color layer.

### **Q2 - Can Zenolite be used outside?**

A – We do not recommend Zenolite for outside use. While Acrylic is a highly UV resistant polymer the pigments used in the color layer are yet to be certified for prolonged UV exposure.

### **Q3 - Can I use Zenolite as a horizontal surface?**

A – Zenolite is designed as a vertical surface medium only.

### **Q4 – Does Zenolite scratch easily?**

A – Zenolite has a similar surface hardness to aluminum. Virtually any scratch or mark can be easily repaired using liquid polish and soft microfiber cloths.

### **Q5 – What is the heat resistance of Zenolite?**

A – Zenolite will resist up to 95deg Celsius (200deg Fahrenheit) for short periods.

### **Q6 – What type of silicone and tape do I use for wall mounting and sealing?**

A – Neutral cure translucent Kitchen and Bathroom types. Do not use acetic cure silicones. Use 1.6mm (1/16”) to 3mm (1/8”) thick foam mounting tapes with rubber based adhesives. Venture Tape 616 or similar is suitable. Best results will be achieved by scuffing the rear of Zenolite with a coarse Scotcbrite<sup>®</sup> pad or 240 grit sandpaper.

### **Q7 – What is the fire behavior of Zenolite?**

A – Reaction to fire tests (such as ISO1192) have shown that Zenolite produces virtually no smoke or burning droplets. Zenolite is easily extinguished using water, foam and many powder type systems. For full details refer the Fire Guide on the Zenolite web site.

### **Q8 – Can I use Zenolite as a whiteboard?**

A – Most white board markers will not effect the Zenolite surface however some of the whiteboard cleaners have aggressive solvents and should not be used on Zenolite. Clean off markers using water and soft cloths only. Water based chalk markers are suitable.

### **Q9 - Is Zenolite hygienic?**

A - Zenolite is completely inert and does not harbor or promote bacterial growth or transmission.

### **Q10 – Is Zenolite environmentally friendly**

A – Zenolite consists of carbon, hydrogen and oxygen and is recyclable by either mechanical, thermal or chemical means. Zenolite does not give off VOC's or other emissions of any kind at any stage of its life cycle.

### **Q11 – Can Zenolite be thermoformed?**

A – Zenolite is ideal for thermoforming and can be line bent, drape molded, blow molded and vacuum formed in the same manner as most thermoplastics.

### **Q12 – How do I cut Zenolite?**

A – Zenolite can be machined using typical woodworking saws and routers. Cutting tools and blades need to be very sharp with moderate to high feed rates to avoid overheating. Solid carbide tools are recommended.

### **Q13 – How do I drill Zenolite?**

A – Zenolite can be drilled using steep angled twist bits. Slightly blunt bits are better as they will not grab on the material. A wood support under the drilling is essential to avoid cracking. Pilot holes should be used before larger holes are drilled. Step drills are ideal for Zenolite.

### **Q14 – Can I use 6mm Zenolite behind a cooktop?**

A – Zenolite is not recommended behind cooktops. Stainless steel or ceramic panels should be used in this area.

### **Q15 – Can I use Zenolite in a shower?**

A – Zenolite is not recommended for use in a shower as it is not sanitary grade material and could be affected by aggressive chemicals in many shower cleaning products.

### **Q16 – Can I use Zenolite for backlighting?**

A – Zenolite is not designed for backlighting. Due to the high pigment load in the color layer some color shadowing may be apparent if used with strong backlights

### **Q17 – Can I use Zenolite 4mm (5/32") on walls?**

A – Zenolite 6mm (1/4") should be used for wall applications as it is designed to be self supporting over large areas.

### **Q18 – What is the thermal expansion and contraction rates of Zenolite?**

A – 0.7mm / 1000mm / 10degC (43 thou/ 36"/ 30degF)

**Q19 – Can I secure Zenolite into an aluminum, steel or wood frame?**

A – Zenolite is ideal for glazing type applications. It is essential to allow for thermal movement and allow at least 3mm clearance per 1000mm (1/8" per 40"). Use rubber or silicone glazing beads or spot silicone at 200mm (8") to 300mm (12") centres.

Do not use plasticized PVC glazing beads or full perimeter silicone.

**Q20 – Is Zenolite available in custom colors?**

A – Zenolite can be made in most colors with a minimum run of 500sqm (5000sqf) for 6mm and 800sqm (8000sqf) for 4mm. A price premium of around 30% applies for either option.