

## Zenolite® –The superior “Low Smoke” Acrylic Panel surface.

Zenolite by EGR was created to produce minimal smoke in a fire situation.

### **Low Smoke equals higher safety**

Safety experts agree that under fire conditions, low smoke producing materials such as Zenolite are the best way to ensure a safer environment in the event of fire.

### **No Burning Droplets**

When tested to ISO 11925, Zenolite does not produce any burning droplets. This is important to reduce the risk of flame spread under fire conditions. Importantly Zenolite is rated European Class E.

### **Easy Extinguishing**

Zenolite can be easily extinguished using water, foam and many powder based systems.

### **Zenolite complies with the following international standards:**

#### **European Standards**

EN13501 - EGR Zenolite 4mm (0.16”) and 6mm (0.24”) (all colors) = Rating EuroClass E.

#### **United Kingdom Standards**

BS476 Part 7 - EGR Zenolite 4mm (0.16”) and 6mm (0.24”) (all colors) = Rating Class 4.

#### **United States Standards**

UL94 - EGR Zenolite 4mm (0.16”) & 6mm (0.24”) (all colors) = Rating HB

ASTM E84 - EGR Zenolite 6mm (0.24”) = Rating Class 3 or C.

#### **Australian Standards**

AS1530.3:1999 - Ignitability Index (Range 0 - 20) = 13, Spread of Flame Index (Range 0 - 10) = 7, Heat Evolved Index (Range 0 - 10) = 7, Smoke Developed Index (Range 0 - 10) = 4.

### **EGR's Zenolite material has been thoroughly tested for Flame Spread and Reaction to Fire characteristics across all colors and in various thicknesses with the following results.**

- Zenolite material is rated Euroclass E in accordance with EN13501.
- Zenolite material achieves a rating 4 when tested to BS476 Part 7.
- Zenolite material develops negligible smoke when tested to ISO 11925 and in the event of a fire would not create significant smoke visibility hazards.
- Zenolite material produces no flaming droplets when tested to ISO 11925.
- Zenolite material achieves a HB rating when tested to UL94.
- Zenolite material does not ignite when exposed to flame under test conditions according to ISO 11925.
- Zenolite 6mm (0.24”) achieved a Flame Spread Index of 130 when tested to ASTM E84.