



**Maryland Glass
& Mirror Company**

SINCE 1912, EXPERIENCE IN GLASS FOR EVERY USE

Tempered Glass Data Sheet

Safety Glass for High-Traffic and Strong Wind Areas

In areas where high traffic and human contact may be anticipated, tempered glass is the perfect solution in both residential and commercial applications. Tempered glass resists high wind-blown debris and is ideal where breakage could involve a safety concern.

Our production process involves a special sequence of heat treatment and quenching that produces a glass four-times stronger than annealed glass. If subjected to stresses beyond its capacity, tempered glass disintegrates into small pieces, greatly reducing the risk of serious injury. Maryland Glass & Mirror Co. tempered glass meets both CPSC 16, CFR 1201 and ANSI Z97.1 architectural standards.

Tempered Characteristics

- Up to four to five times stronger than annealed glass of equal thickness
- Higher resistance to thermal stress than annealed and heat-strengthened glass
- When broken, breaks into numerous small pieces
- Meets safety glazing requirements

Applications

- Use where Safety Glazing is required
- High wind load areas
- Fire knock-out panels
- Shower Enclosures
- Hand Rails
- Glass Entrances and Storefronts
- High-Risk Human Contact Areas

Availability

- Clear, Low Iron, Acid Etch and Tinted Substrates
- Thicknesses ranging from: 1/8+(3mm) to 1/2+(12mm)
- Minimum size 8+x 10+(9+diagonal)
- Maximum size 84+x 144+

Conformance

- Meets Safety Glazing requirements, guidelines and provisions of:
- ANSI Z97.1, 2009
- CPSC 16 CFR-1201