

**Press Release**  
**August 22<sup>nd</sup> 2024**

## **Express Toughening delivers premium safety glass for modern spaces**

*As safety glass becomes increasingly integral to modern architecture, Express Toughening is at the forefront of innovation, delivering top-tier glass solutions for both commercial and residential spaces. Offering a comprehensive range of safety glass, including toughened and laminated glass, Express Toughening is committed to meeting the growing demand for versatile, durable, and secure glass products.*

Safety glass plays a pivotal role in today's architecture, enhancing both the functionality and aesthetics of buildings. From sleek office towers to contemporary homes, the benefits of toughened and laminated glass go far beyond just aesthetics, providing unmatched safety and strength. But with so many glass options available, how do you choose the right solution?

### **Toughened Glass: Strength and Security Combined**

Toughened glass, known for its superior strength and resilience, is an ideal choice for high-traffic areas and environments prone to impact. Its safety feature lies in the way it shatters—if broken, it disintegrates into small, blunt pieces rather than sharp shards, drastically reducing the risk of injury.

#### **Key Benefits of Toughened Glass:**

- **Strength and Durability:** Four to five times stronger than standard glass, toughened glass is ideal for areas like sports arenas or spaces frequented by children.
- **Safety First:** Shattering into blunt pieces ensures minimal injury risk.
- **Scratch Resistance:** Toughened glass is less prone to scratches and daily wear, offering long-term resilience in bustling areas.

However, toughened glass must be shaped and cut before it undergoes the toughening process, as post-treatment modifications can result in shattering. Additionally, in certain security situations, such as break-ins, the glass breaking out of the frame could be a disadvantage.

### **Laminated Glass: A Perfect Balance of Safety and Security**

Laminated glass takes safety to another level by maintaining its integrity even when broken. Composed of two or more layers of glass with a bonded interlayer, typically polyvinyl butyral (PVB), laminated glass does not break into shards. Instead, it remains largely intact, offering an additional layer of protection.

#### **Advantages of Laminated Glass:**

- **Superior Safety:** Remains in place when shattered, reducing the risk of injury, and providing added security in the event of break-ins.
- **Sound Insulation:** The interlayer dampens sound, making it an excellent choice for environments requiring acoustic insulation.
- **UV Protection:** Blocks up to 99% of UV radiation, protecting interiors from sun damage.
- **Energy Efficiency:** Can enhance thermal insulation, contributing to energy savings in the home or workplace.

While laminated glass is heavier and may require stronger support structures, its durability and sound insulation properties make it a strong contender for specific environments, such as storm-prone areas or places requiring heightened security.

### **Which Glass is Right for You?**



Choosing between toughened and laminated glass depends on your specific needs. Toughened glass offers remarkable strength and is ideal for high-impact areas, while laminated glass offers unparalleled safety and security, especially in situations where glass breakage poses a significant risk.

### **Express Toughening: Your Trusted Glass Experts**

With decades of experience, Express Toughening is a leading provider of toughened and laminated glass, manufacturing glass products to the highest industry standards. Whether you are looking to enhance your home's safety, boost energy efficiency, or increase your property's aesthetic appeal, our expert team is ready to guide you to the best solution.

"We pride ourselves on delivering premium safety glass that merges functionality with aesthetic appeal," said [Spokesperson], [Job Title] at Express Toughening. "Whether you need glass for a home, a commercial building, or an outdoor space, our products are designed to meet the most rigorous safety standards while providing a modern, sleek finish."

### **Contact today**

Interested in exploring the best glass solutions for your project? Contact Express Toughening to learn more about our high-quality toughened and laminated glass products and how they can enhance the safety and style of your space.

### **Ends**

Express Toughening

Web: [expresstoughening.com](http://expresstoughening.com)

E: [info@expresstoughening.com](mailto:info@expresstoughening.com)