



Polycarbonate Roller Shutters from Firlane

Strong as Steel—Clear as Glass



Firlane Systems Ltd manufactures a high security transparent roller shutter system made from polycarbonate. It is tough, durable & transparent. Ideal where the convenience and security of a roller shutter is required, but where 90% transparency would be of significant benefit. Think of a large armoured glass pane that you could roll up into the ceiling like a roller shutter, and you're getting the idea.

Construction

Panels are manufactured from a patented clear transparent polycarbonate. They are enclosed in a sturdy frame of extruded aluminium joining rails. A double-walled rail is mounted at the bottom for extra stability and finished with a rubber sealing strip. Firlane Facade© is completely self-contained and supports 100% of its own weight. This means that there is no need for any additional structural engineering or steelwork. The shutter is secured to the floor and requires only minimal lateral support which can be provided by attaching to existing side walls or if available, braced to existing supporting steelwork overhead. Operation is electrical only via a single phase 230 V internal tubular motor. Several types of switching are possible, the most common being a rocker switch with up and down function, a key switch and remote control.

Dimensions (mm)

Solid Clear Polycarbonate Panel thickness: 6mm

Min. height: 1000
 Max. height: 5000
 Max. width: 7000

Performance

The shutter has a high level of weather resistance. It is highly abrasion and scratch-resistant and will flex, but not break or shatter. Visit www.firlanefacade.com to view the product testing film. The system is 100% resistant to UV light.

Durability

Tested to 11,000 cycles, which equates to 15 years of normal use.

Applications

- High Street Conservation Areas. Accepted by local authority planners in areas where external steel shutters may not be
- Shopping Malls
- 24 Hour Banking Areas
- Car Showrooms
- Supermarkets etc.

Anywhere you require high visibility, great security and the convenience of a roller shutter mechanism is ideally suited to Firlane Door Systems' polycarbonate shutters.

Features and benefits

- 90% Transparency. Highest of any roller shutter
- Strong as Steel. Comparable to 20 gauge steel shutter
- Won't scratch, crack or break under normal use.
- Retains its clear transparency for many years
- Virtually silent in operation.
- Accepted by regeneration & town planners nationwide
- Technical design assistance available
- Self-supporting – no structural work needed
- Green credentials – 100% recyclable