Pyroguard EW30 IMPACT (7mm) Fire-Rated Glass

Overview

- **Type**: Fire Resisting Laminated Glass
- **Standard**: BS 476 Part 22:1987 & EN 1364-1
- **Certification**: CERTIFIRE Certificate No. CF257
- **Integrity Rating**: 30 Minutes (EW30)
- **Insulation Rating**: None (0 minutes)
- **Typical Applications**: Doorsets, Timber / Steel / Aluminium Screens, Partitions

Certitication

- **CERTIFIRE Certificate**: CF257
- **Test Standard**: BS 476 Part 22:1987
- **Tested by**: Warringtonfire Testing & Certification Ltd
- **Issue Date**: 20 Feb 2006
- **Last Revision**: 10 Sep 2024
- **Valid Until:** 1 Feb 2026

Compatible Frame Types & Max Sizes:

Application Type	Max Width	Max Height	Max Area
Timber framed screens	1070mm	2500mm	2.68m^2
Timber framed single pane screens	1200mm	2200mm	2.2m^2
Softwood multi-pane frames	2506mm	2706mm	2.2m^2
Timber-based doorsets	800mm	2125mm	0.64m^2
Steel framed screens	1170mm	3000mm	2.26m^2
Steel doorsets	~858mm	~2066mm	1.61m^2
Partition Wall System	1200mm	3000mm	3.24m^2

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Construction & Installation Requirements

Framing Materials

- **Timber or Hardwood:**
  - Minimum density: 510-650 kg/m^3 depending on configuration
  - Framing sections typically: 40mm x 75mm up to 92mm x 45mm
- **Steel / Aluminium:**
  - Must be previously tested or CERTIFIRE-approved
  - Use of pressure plate systems or screw-fixed clip-on beads

Bead & Fixing Guidelines

- Beads must be square of chamfered (0-30°)
- Dimensions vary, e.g.:
  - 15mm x 20mm
  - 20mm x 36mm
  - 25mm x 38mm
- Fixed using:
  - 30-50mm steel pins/screws
  - Spacing: typically 150-200mm centres
  - Angled fixings at 30-45° to glass face

Setting Blocks & Edge Cover

- **Edge Cover (mandatory)**
  - Minimum: **10mm** edge cover
  - Expansion gap: ≥3mm to top and sides
- **Setting Blocks:**
  - **Non-combustable or hardwood**
  - Some configurations permit no blocks if edge cover is met

Special Conditions & Notes

- Must be installed **vertically ±10°**
- May be sandblasted, acid-etched, bevelled or shaped **(subject to certification limits)**
- **May include integrated blinds or decorative films** under strict conditions (e.g. 3M Ultra 400 only)
- Used in both **single-pane** and **IGU** formats