

Pyroguard RAPIDE (11.4mm) 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 / 60 Minutes (EW30 / EW60*)
- **Insulation Rating:** None (0 minutes)
- **Typical Applications:** Doorsets, Timber / Steel / Aluminium Screens, Partitions, Internal Glazing

Certification

- **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	Integrity Rating
Timber framed screens	1250mm	2500mm	3.13m ²	E30
Timber framed single pane screens	1200mm	2200mm	2.64m ²	E30
Softwood multi-pane frames	2506mm	2706mm	2.70m ²	E30
Timber-based doorsets	800mm	2125mm	0.64m ²	E30
Steel framed screens	1340mm	3000mm	3.30m ²	E60
Steel doorsets	~920mm	~2125mm	1.80m ²	E60
Partition Wall System	1200mm	3000mm	3.24m ²	E60

Construction & Installation Requirements

Framing Materials

- **Timber or Hardwood:**
 - Minimum density: 510-650 kg/m³ 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 or 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)
- For interior and exterior use