

The Clement W20 Internal Fire Door Screen Technical Specification

Product Summary

A traditional, tried and tested robust door system, designed in the 1950s, but still in demand today, W20 may be used in all types of building where strong, durable frames and hard wearing fittings are required. The W20 internal fire door uses very slender profiles thereby avoiding the bulkiness normally associated with high performance products of this type.

Manufacturing Specification

Made to suit your individual requirements W20 doors are generally manufactured in accordance with BS 6510:2010 specifications for hot rolled steel windows. The mild steel sections used for Clement window and door frames are precision rolled in Switzerland using recycled steel to suit Clement's unique profiles and tolerances. All frames and ancillary profiles are hot dip galvanised to BS EN ISO 1461 and available with a factory applied polyester powder coating to BS EN ISO 13438 from the RAL colour range, exceeding the minimum paint thickness over the zinc of 60 microns.

Manufacturing Description

Frames are manufactured from hot rolled mild steel profiles with corner joints mitred, welded and dressed square and flat. Small panes can be formed with T glazing bars welded to the frame and cross joints are interlocked and welded with rigid joints. Composite doors and screens can be assembled by connecting doors horizontally with mullions of hot rolled slim steel profiles.

Locking system

The W20 range of doors is available with single point latching only.

Fixing

W20 doors and screens can be fitted direct to brickwork. Doors are installed directly into fire resistant structure using appropriate fixings.

Glazing

W20 fire doors and screens can be glazed with 8mm Pyroswiss glass to achieve 30 minutes integrity only.

Dimensions (Provided for guidance purposes only)

Nominal profile width	32mm
Typical sight lines: fixed lights perimeter	< 40mm
Hinged casements	< 70mm

Performance

Single door with side light 1808mm wide x 2422mm high and incorporating 2 x horizontal T bars, tested to BS476: Part 22:1987.

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