

Specification Guide

3.0 premier fire range – general

GENERAL

- Range of door styles as illustrated in the latest edition of the 'premier fire' product brochure
- Thermoplastic-faced fire-resisting composite door leaf of nominal 44mm thickness
- Made to measure to meet clients own specifications
- Supplied fully finished with hardware & glazing pre-fitted
- Supplied hung in a 60mm PVC-U outer-frame
- Low maintenance, high performance
- FD30S fire doorset resistance classification
- Available as tested to PAS 23-1:199 & PAS 24-1:1999 and as a Secured by Design licensed product
- Single action single leaf doorset assembly
- Inward or outward opening arrangement

DOOR LEAF

Thermoplastic facings

- Nominal 2mm thickness both sides of door
- Vacuum formed to door pattern
- Smooth or 'Permagrain' surface finish
- No finishing required
- Low maintenance; wipe down with soft cloth and warm water to clean
- Fire resistance; ignitability –
 - Tested in accordance with BS476-12:1987

White PVC

- Extruded rigid PVC sheet
- White UV stable through-colour
- High Chemical resistance
- High impact resistance; Impact falling weight ISO 6603/2: >33J@23°C, >35J@0°C

Colour & Woodgrain Polycarbonate

- Extruded modified polycarbonate
 - UV stable through-colour options:
 - Red RAL 3003
 - Blue RAL 5003
 - Green RAL 6005
 - Decorative foil options (on brown substrate):
 - Rosewood
 - Cherrywood (Antique Oak)
- NOTE: Not available with Permagrain
- High impact resistance; Impact high velocity: >62J@23°C

Sub-frame System

- Engineered hardwood (BBA Agrément Cert No 97/3369) stile and rail construction sub-frame
- Butt joint; stapled and glued
- Edge sealed with clear preservative

Core Insulation

- GDC (graduated density chipboard)
- 39mm thickness
- Density: 640kg/m³ - 680kg/m³

GLAZING SYSTEM

Cassette Glazing

- Fire resisting cassette glazing system with grained effect (Patent pending)
- Full perimeter closed cell acrylic glazing tape and silicone weather seals
- Pre-finished to match door
- Single glaze safety glass options to BS 6206 –
 - Clear 6mm – Georgian wire polished plate
 - Obscure 7mm – Georgian wire rough cast

PVC-U OUTER FRAME

Profile 22® 60mm & 70mm Fire Resisting PVC-U Frame System

- Fire resisting PVC-U outerframe system (patent pending)
- 60mm outerframe size
- Kitemark: BS EN 12608:2003
- UV stable white through colour
- Sill or goal-post arrangement: Mechanically fixed with purpose-designed cleats
- Five* sill size options (30mm high):
 - 85mm*; 125mm; 155mm*; 180mm*; 225mm
- Decorative foil finish options (on white profile):
 - Rosewood
 - Antique Oak (Cherrywood)
- Fully reinforced
- EPDM flipper gasket

* Only available on 70mm profile

NOTE: Add-on profiles and combination window frames may not be used in conjunction with PVC-U fire-resisting outerframes

PVC-U Frame Fittings

- Patented design butt hinge in white powder-coated or anodised gold finish: Non-removable stainless steel pin; Nylon bushes
- 12mm aluminium low threshold¹ anodised gold or mill finish; meets the requirements of Approved Document M of The Building Regulations (England & Wales) (subject to installation)

¹Where no threshold is required door set is manufactured with a 3mm gap between bottom edge of door leaf and top of cill (goal-post strip where no cill required)

MANUFACTURING SIZES

Product	Minimum WxH mm	Maximum WxH mm
premier fire doorset – all styles	832 x 1882	1010 x 2195
premier fire doorset – plain fire	506 x 506	1010 x 2195
premier fire doorset – avon2 fire	506 x 1156	1010 x 2195
premier fire doorset – cottage2 fire	506 x 506	1010 x 2195
premier fire doorset – utility2 fire	832 x 1882	1010 x 2195

NOTE: Doorset minimum sizes exclude sill and threshold (3mm gap); maximum sizes include sill and 12mm low threshold

PRODUCT WEIGHTS (Nominal)

Product	premier fire doorset
Unglazed doorset	60kg
½ glazed doorset	57kg

NOTE: Weights shown provide guidance for handling and may vary due to the variety of specification options available

SURVEYING DEDUCTIONS

premier fire doorset	Aperture Elevation	
	Width	Height
Overall size deduction	10mm	5mm

NOTE: These deductions are from the total width or height of the measured brickwork aperture (not 'per side'). With normal installations, all the height deduction will be at the head of the door – surveying and installation guidelines are available

NOTE: These deductions apply to premier fire doorsets only

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HARDWARE

NOTE: A sprung latch device must always be fitted; doors may not be supplied without a latch/lock device fitted or with a latch hold-back device unless another sprung latch device is also fitted without a holdback device

Lockmaster 3-Point Multi-Point Locking

- 2-hook , centre latch and deadbolt
- 92/62mm handle centres; 35mm backset
- Euro-profile cylinder to BS EN 1303 Grade 4
- 20mm wide 'clean' faceplate
- Lever-lever or night latch function
- Adjustable keep system (seal compression)
- Secured by Design licensed product

NOTE: A latch hold-back snib facility is not available for night latch function on Lockmaster locks fitted to **premier fire** doorsets

Mortice locks & latches

- 5-lever mortice sash-lock or dead-lock Kite-marked: BS 3621:1980; 64mm case size only
- Euro-profile 6-pin cylinder mortice sash-lock or deadlock
- Euro-profile cylinder mortice nightlatch
- Mortice roller latch (steel roller)

Rim locks

- Rim night latch – chrome or brass finish

NOTE: A narrow style (40mm backset) rim night latch with a brass cylinder may only be fitted and at approximately ¾ height on the door leaf

Lever furniture

- Cast aluminium lever furniture anodised gold or satin (silver) finish
- Extended/round-bar lever handles available

P207 Firemaster letterplate

- Integral weather seals, internal brush-seal
- Extruded aluminium sprung internal and external flap and aluminium frame; anodised gold or satin (silver)
- Aperture to BS 2911
- May be located in centre midrail or top rail (¾ height)

Door closers

- Overhead door or transom (frame) mounted door closing device with standard arm or slide (track) arm
- Perko™ R2 concealed door closer

NOTE: A suitable automatic self-closing device must be specified and fitted to a fire resisting doorset in accordance with the Building Regulations (England & Wales) Approved Document B. Where a device is not specified it is assumed that the client has made arrangements in order to meet the regulatory requirements; this is the responsibility of the client

NOTE: Where a Perko™ closer is fitted due consideration must be given to site conditions and the possible negative effect that enclosed corridors/rooms and/or lack of ventilation may have on the ability of a Perko™ closer to fully close the door; this is the responsibility of the client

Ancillary Hardware

- A range of ancillary hardware is available, including:
 - Hinge bolts – steel
 - Urn knocker – 6¼" solid brass
 - 180° viewer – brass/chrome plated
 - Door chain – brass/chrome
 - Numerals

GUARANTEE

- 10 year comprehensive product guarantee

STANDARDS

BS476-22:1987

Fire tests on building materials and structures – Methods for determination of the fire resistance of non-loadbearing elements of construction

- **premier fire** doorsets tested in accordance with BS476-22:1987 at a UKAS accredited test house
- **premier fire** doorsets achieve a fire resistance integrity in excess of 30 minutes
- Copies of test reports/assessment(s) available on request
- May only be supplied to specification as tested/assessed
- Fully finished doorsets may only be supplied

BS476-31.1:1983

Fire tests on building materials and structures – Methods for measuring smoke penetration through doorsets and shutter assemblies – Method of measurement under ambient temperature conditions

- **premier fire** doorsets tested in accordance with BS476-31.1:1983 at a UKAS accredited test house
- Copies of test report available on request

Approved Document B

- **premier fire** doorsets meet the requirements of The Building Regulations (England & Wales) Approved Document B for fire resistance classification FD30S

PAS 23-1:1999 & PAS 24-1:1999

General performance requirements for door assemblies & Enhanced security performance requirements for door assemblies

- **premier fire** doorsets³ available as tested and passed at UKAS accredited test houses to PAS 23-1:1999 and PAS 24-1:1999
- Copies of test reports available on request
- Must be supplied to specification as tested
- Fully finished doorsets must be supplied

Secured by Design

- Unglazed **premier fire** doorsets available as *Secured by Design* licensed products
- Specification as per PAS 23-1:1999 and PAS 24-1:1999 with additional security:
 - ALL DOORS:
 - Locking cylinder to BS EN 1303 - Grade 3 minimum, with anti-pick and anti-drill
 - FRONT DOORS ONLY:
 - Door viewer between 1200 & 1500mm
 - Door chain fitted
 - Lever/lever or nightlatch lock operation (withdrawal of latch by turn of key, not by lever) – requirement as determined by local ALO/CPDA

NOTE: A latch hold-back snib facility is not available for night latch function on **premier fire** doorsets
³utility2 *fire* door style available with glass to top aperture only

BS EN ISO 140-3:1995

Acoustics – measurement of sound insulation in buildings and of building elements – Part 3: Laboratory measurement of airborne sound insulation of building elements

- **premier fire** doorsets tested in accordance with BS EN ISO 140-3:1995 at a UKAS accredited test house
- **premier fire** doorsets achieve a minimum sound reduction index of Rw 32 dB when rated in accordance with BS EN ISO 717-1:1997
- Copies of test report available on request

Approved Document E

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- premier *fire* doorsets meet the requirements of The Building Regulations (England & Wales) Approved Document E