

Specification Guide

3.5 premier *fire* specification options – Secured by Design; PAS 23-1:1999 & PAS 24-1:1999

GENERAL

- ú Range of door styles¹ as illustrated in the latest edition of the 'premier *fire*' product brochure
- ú Composite door leaf of nominal 44mm thickness
- ú Made to measure to meet clients own specifications
- ú Supplied fully finished with hardware & glazing pre-fitted
- ú Supplied hung in 60mm or 70mm PVC-U outer-frame
- ú Low maintenance, high performance
- ú Single action single leaf doorset assembly
- ú Inward opening arrangement
- ú Available with mechanically fixed sidelight frames

¹utility2 *fire* door style available with glass to top aperture only

GUARANTEE

- ú 10 year comprehensive product guarantee

DOOR LEAF & GLAZING SYSTEM

- ú Refer to latest issue of the relevant Specification Guide for door leaf construction & glazing system specifications

PVC-U OUTER FRAMES

Profile 22[®] PVC-U Composite Door Frame System

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

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

PVC-U Frame Fittings

- ú Patented design butt hinge in white powder-coated or anodised gold finish: Non-removable stainless steel pin; Nylon bushes
- ú 12mm aluminium low threshold² anodised gold or mill finish – meets requirements of Approved Document M of The Building Regulations (England & Wales) (subject to installation)

²A 12mm low threshold must be fitted to premier *fire* doorsets supplied to PAS 23-1:1999, PAS 24-1:1999 and Secured by Design specification

MANUFACTURING SIZES

Product	Minimum WxH mm	Maximum WxH mm
premier <i>fire</i> doorset – all styles	832 x 1891	1010 x 2195
premier <i>fire</i> doorset – plain style	506 x 515	1010 x 2195
premier <i>fire</i> doorset – avon2 style	506 x 1165	1010 x 2195
premier <i>fire</i> doorset – cottage2 style	506 x 515	1010 x 2195
premier <i>fire</i> doorset – utility2 style	832 x 1891	1010 x 2195

NOTE: Doorset sizes include 12mm low threshold; minimum sizes exclude sill; maximum sizes include sill

PRODUCT WEIGHTS (Nominal)

Product	premier <i>fire</i> 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

Product	Aperture Elevation	
	Width	Height
premier <i>fire</i> doorset	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

HARDWARE

MULTI-POINT LOCKING

Lockmaster 3-Point Multi-Point Locking

- ú 2-hook, centre latch and deadbolt
- ú 92/62mm handle centres; 35mm backset
- ú Euro-profile cylinder to BS EN 1303 Grade 4
- ú 20mm wide 'clean' faceplate
- ú Lever-lever or night latch² function
- ú Adjustable keep system (seal compression)
- ú Secured by Design licensed product

²Night latch function supplied as standard (but not compulsory, determined by local ALO/CPDA) for front doors Secured by Design Licensed (latch withdrawal to gain access by turn of key, not by lever)

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

Lever furniture

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

P207 Firemaster letterplate

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

Ancillary Hardware

- ú 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 plated
 - Numerals

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STANDARDS

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

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

- ü premier *plus* doorsets³ available as tested and passed at UKAS accredited test houses to PAS 23-1:1999 and PAS 24-1:1999
- ü Must be supplied to specification as tested
- ü Fully finished doorsets must be supplied

³ utility2 *fire* door style available with glass to top aperture only

Secured by Design

- ü Unglazed premier *fire* doorsets available as *Secured by Design* licensed products
- ü Minimum specification as per PAS 23-1:1999 and PAS 24-1:199 with additional security requirements:
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

SPECIFICATION VARIATIONS

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

- ü None permitted – variations to the specification as tested require further product testing or assessment by a UKAS accredited test house

Secured by Design

- ü Variations to Secured by Design specifications only on approval of local ALO/CPDA sought by the client

NOTE: Variations to Secured by Design specification cannot be approved by the manufacturer and must not include variations to the specification as tested to PAS 23-1:1999 & PAS 24-1:1999, which is the minimum requirement

BS476-22:1987

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

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

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

Approved Document B

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

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

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

Approved Document E

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

SPECIFICATION OPTIONS

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

NOTE: Deviation from the specification options in Table 1 is not permitted

COMPONENT	premier <i>fire</i>
Door leaf style	All ⁴
Doorset Arrangement	Single leaf
Door opening	Inward
Outerframe & threshold	Profile 22 (P22) 60mm PVC-U + 12mm low threshold & drip bar
Hinge	MKIV butt hinge (x3)
Glazing system	Enhanced security cassette glazing system
Glass	6mm toughened
Lock & Lever handle	Lockmaster PL18WSE 35mm backset with PLK217/218 keep set + - Lever/lever or - Offset lever/lever
Cylinder	- Euro-profile key/key or - Euro-profile key/thumbturn
Letterplate	P207 Firemaster (or none)
Door chain	Any, surface mounted (or none)
Viewer	Any, max 13mmØ, any location (or none)
Ancillaries	Any surface mounted hardware (or none)

⁴ utility2 *fire* door style available with glass to top aperture only

Table 2. Secured by Design – Additional specification

NOTE: Specification as per Table 1 except where indicated otherwise in Table 2

COMPONENT	premier <i>fire</i>
ALL DOORS	
Glass	Unglazed door styles only
Cylinder	- Euro-profile key/key – BS EN 1303 grade 4 or - Euro-profile key/thumbturn – BS EN 1303 grade 4
FRONT DOORS	
Door chain	Any, surface mounted – compulsory
Viewer	Any, max 13mmØ, between 1200 & 1500mm height - compulsory

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QUICK REFERENCE GUIDE

premier *fire*

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

- ú Enhanced security glazing system
- ú PVC-U outer-frame system:
 - Profile 22[®] 60mm with 12mm low threshold
- ú Multi-point locking system with adjustable keeps:
 - Lockmaster 2-hook, centre latch & deadbolt
- ú Aluminium butt hinges
- ú Aluminium lever handles
 - Lever/lever *or*
 - Offset-lever/lever – for nightlatch function
- ú Firemaster aluminium letterplate

premier *fire*

Secured by Design Specification

- ú Minimum specification as PAS 23-1:1999 & PAS 24-1:1999 with additional security requirements
- ú ALL DOORS:
 - Unglazed door styles
 - Locking cylinder to minimum BS EN 1303 Grade 3 incorporating anti-pick and anti-drill
- ú FRONT DOORS:
 - Lever/lever or nightlatch function locking (determined by local ALO/CPDA)
 - Door viewer between 1200 & 1500mm height
 - Door chain