

Specification Guide

4.0 Specification options – Secured by Design; PAS 23-1:1999 & PAS 24-1:1999

GENERAL

- Range¹ of door styles as illustrated in the latest edition of the 'premier plus', 'fibreglass doors' and 'premier fire' product brochures
- 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 60mm or 70mm PVC-U outer-frame
- Low maintenance, high performance
- Single action single leaf doorset assembly
- Inward opening arrangement

¹utility2 door styles available with glass to top aperture only

GUARANTEE

- 10 year comprehensive product guarantee

DOOR LEAF & GLAZING SYSTEM

- 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

premier plus – premier fire – fibreglass doors

- 60mm & 70mm outerframe size options
- 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
- Add-on and ancillary profiles available

PVC-U Frame Fittings

premier plus – premier fire – fibreglass doors

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

²Where 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)

Profile 22® PVC-U combination frames

premier plus – fibreglass doors

- 60mm sidelight combination frames mechanically coupled with 60mm composite door frames
- 70mm sidelight combination frames mechanically coupled or integral (fixed lights only) with 70mm composite door frames
- Specification as tested to BS 7950 at UKAS accredited test houses for Secured by Design Licensed products
- Opening casements fitted with key operated locking as standard – one pane of glass laminated for Secured by Design Licensed products

MANUFACTURING SIZES

Product	Minimum WxH mm	Maximum WxH mm
premier plus doorset	832 x 1891	1010 x 2216
premier fire doorset	832 x 1891	1010 x 2216
premier fire doorset – plain	506 x 515	1010 x 2216
premier fire doorset – avon2	506 x 1165	1010 x 2216
premier fire doorset – cottage2	506 x 515	1010 x 2216
fibreglass doors doorset	864 x 1987	1010 x 2119

NOTE: Doorset maximum sizes include sill and 23mm medium threshold; minimum sizes exclude sill but include 12mm low threshold

PRODUCT WEIGHTS (Nominal)

Product	premier plus	premier fire	fibreglass doors
Unglazed doorset	40kg	60kg	45kg
½ glazed doorset	45kg	57kg	50kg

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

SURVEYING DEDUCTIONS

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

Product	Aperture Elevation	
	Width	Height
premier plus doorset	10mm	10mm
premier fire doorset	10mm	5mm
fibreglass doors doorset	10mm	10mm

HARDWARE

MULTI-POINT LOCKING OPTIONS

- Lever-lever or night latch function with latch hold back facility via snib (thumb-turn) on lever backplate – night latch function standard for front doors Secured by Design Licensed (latch withdrawal to gain access by turn of key)
- Euro-profile cylinder to BS EN 1303 Grade 4
- Adjustable keep system (seal compression)
- Secured by Design licensed products

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

Lockmaster 3-Point Multi-Point Locking

premier plus – premier fire

- 2-hook, centre latch and deadbolt
- 92/62mm handle centres; 35mm backset
- 20mm wide 'clean' single length faceplate
- Nightlatch function via offset levers

Lockmaster 3-Point Multi-Point Locking

fibreglass doors

- 2-hook, centre latch and deadbolt
- 92/62mm handle centres; 45mm backset
- 44mm wide full-height 'clean' wrap-around faceplate with matching hinge stile cover-strip; completely encapsulates the door edge with matching hinge stile cover-strip – finished in white
- Nightlatch function via offset levers

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SL-16 Multi-Point Locking

premier plus

NOTE: Available with 60mm PVC-U outerframe & cassette glazed doors only

- 3 deadbolt and centre latch
- 68mm handle centres, 35mm backset
- 20mm wide faceplate
- Nightlatch function via split-spindle

Multi-point Locking – Lever furniture

premier plus – premier fire – fibreglass doors

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

Letterplates

- Integral weather seals, internal brush-seal
- Extruded aluminium sprung internal and external flap; aluminium frame - anodised gold or satin (silver)
- Aperture to BS 2911
- P209 Postmaster letterplate:
 - **premier plus – fibreglass doors**
- P207 Firemaster letterplate:
 - **premier fire**

Ancillary Hardware

premier plus – premier fire – fibreglass doors

- A range of ancillary hardware is available, including:
 - Urn knocker – 6¼" solid brass or anodised gold or satin (silver) aluminium
 - 180° viewer – brass/chrome plated – standard for front doors Secured by Design Licensed
 - Door chain – brass/chrome plated – standard for front doors Secured by Design Licensed
 - Numerals

Door closers

premier fire

- 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

STANDARDS

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

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

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

Secured by Design

- **premier plus, premier fire and fibreglass doors** doorsets³ available as *Secured by Design* licensed products
- Minimum specification as per PAS 23-1:1999 and PAS 24-1:1999 with additional security requirements:

ALL DOORS:

- One pane of glass Laminated
 - Locking cylinder to BS EN 1303 - Grade 3 minimum, with anti-pick and anti-drill
 - 3-point locking
- FRONT DOORS ONLY:
- Door viewer between 1200 & 1500mm
 - Door chain fitted
 - 3-Point lock with nightlatch function – withdrawal of latch by turn of key, not by lever (also known as 'lever/pad' or 'split spindle')

³ **utility2** door styles available with glass to top aperture only

SPECIFICATION VARIATIONS

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

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

Secured by Design

- 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

- **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

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 32 dB
- Copies of test report available on request

Approved Document E

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

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TABLE 1 – PAS 23-1:1999 & PAS 24-1:1999 – Specification Options

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

COMPONENT	premier fire	premier plus	fibreglass doors
Door leaf	All ^{4, 6}	All ^{4, 5, 6}	All ⁶
Door set type	Single leaf doorset	- Single leaf doorset or - Single leaf doorset + Coupled sidelight to BS 7950	
Door opening	Inward		
Outer-frame & threshold	- Profile 22 (P22) 60mm PVC-U + 12mm low threshold & drip bar or - Profile 22 (P22) 70mm PVC-U + 12mm low threshold & drip bar		
Hinge	MKIV butt hinge		MKVI butt hinge
Glazing system	Enhanced security cassette glazing system – SBD cassette	Enhanced security cassette glazing system – SBD cassette Enhanced security tape glazing system	Enhanced security cassette glazing system – SBD cassette
Glass	6mm Georgian wire polished plate 7mm Georgian wire rough cast	- DGU 4mm toughened both sides or - DGU 6.4mm laminated one side, 4mm toughened one side or - DGU 6.4mm laminated both sides	
Lock & Lever handle	Lockmaster PL18WSE 35mm b/set + PLK217/218 keeps + - Lever/lever or - Offset lever/lever - Offset lever/lever	Lockmaster PL18WSE 35mm b/set + PLK217/218 keeps + - Lever/lever or - Offset lever/lever or - Offset lever/lever-snib SL-16 35mm b/set + 41/42 keeps – P22 60mm doorset + - Lever/lever straight spindle ⁷ or - Lever/lever split spindle ⁷ - Lever/lever-snib split spindle ⁷	Lockmaster PL65-45 45mm b/set + PLK217/218 keeps + - Lever/lever or - Offset lever/lever or - Offset lever/lever-snib + Hinge stile cover-strip
Cylinder	- Euro-profile key/key or - Euro-profile key/turn	Euro-profile key/key	
Letterplate	P207 Firemaster (or none)	P209 Postmaster (or none)	
Door chain	Any, surface mounted (or none)		
Viewer	Any, max 13mm diameter, any location (x1) (or none)		
Ancillary hardware	Any, surface mounted (or none)		

TABLE 2 - SECURED BY DESIGN - Additional & Compulsory Specification

NOTE: Secured by Design specification options as per TABLE 1 except where indicated otherwise in TABLE 2

COMPONENT	premier fire	premier plus	fibreglass doors
ALL DOORS: Glass	Unglazed only	6.4mm laminated one side, 4mm toughened one side or 6.4mm laminated both sides	
ALL DOORS: Cylinder	- Euro-profile key/key – BS EN 1303 grade 4 or - Euro-profile key/turn – BS EN 1303 grade 4	Euro-profile key/key – BS EN 1303 grade 4	
FRONT DOORS: Lever handle	Lockmaster: - Offset lever/lever	Lockmaster: - Offset lever/lever or - Offset lever/lever-snib SL-16: - Lever/lever split spindle ⁷ or - Lever/lever-snib split spindle ⁷	Lockmaster: - Offset lever/lever or - Offset lever/lever-snib
FRONT DOORS: Door chain	Any, surface mounted - compulsory		
FRONT DOORS: Viewer	Any, max 13mm diameter, between 1200 & 1500mm height (x1) - compulsory except with clear glass		

⁴utility2 door styles available with glass to top aperture only ⁵SL-16 lock available only with unglazed or cassette glazed premier plus doors & 60mm PVC-U frame only

⁶All door styles as illustrated in the latest edition of the product brochure ⁷Lever set supplied as standard with solid and split spindles for lever/lever or nightlatch function

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QUICK REFERENCE GUIDE

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

All **premier plus**, **premier fire** & **fibreglass doors** door styles:

- Enhanced security glazing system
- PVC-U outer-frame system:
 - Profile 22[®] 60mm or 70mm with 12mm low threshold
- Multi-point locking systems with adjustable keeps:
 - Lockmaster 2-hook, centre latch & deadbolt
 - SL-16 3-deadbolt and latch (**premier plus** 60mm PVC-U frame only)
- Aluminium butt hinges (MKIV for **premier plus** & **premier fire**; MKVI for **fibreglass doors**)
- Aluminium lever handles
 - Lever/lever *or*
 - Offset-lever/lever – for nightlatch function *or*
 - Offset-lever/lever-snib – for nightlatch function (not available with **premier fire**)
- Postmaster aluminium letterplate (Firemaster version supplied with **premier fire**)

Secured by Design Specification

All **premier plus** & **fibreglass doors** door styles – unglazed **premier fire** door styles only:

- Minimum specification as PAS 23-1:1999 & PAS 24-1:1999 with additional security requirements
- ALL DOORS:
 - Minimum one pane of glass 6.4mm Laminated
 - Locking cylinder to minimum BS EN 1303 Grade 3 incorporating anti-pick and anti-drill
- FRONT DOORS:
 - Nightlatch function locking - latch withdrawal by turn of key only
 - Door viewer between 1200 & 1500mm height (except doors with clear glazing)
 - Door chain

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