



CONFIDENTIAL

Report: Chilt/P08131/AR1

Certificate report on the testing of a doorset to relevant clauses of PAS 23, PAS 24 and BS 6375 Part 1

Issue date: October 2010



committed to excellence

www.chilternfire.co.uk

www.chilterndynamics.co.uk

www.qmark.info

**Prepared for:
Sentry International
C/O Units 4 – 6
Parklands Business Centre
Stortford Road
Leaden Roding
Essex
CM6 1RB**

Opinions and interpretations expressed herein are outside the scope of UKAS accreditation. This document is confidential and remains the property of Chiltern International Fire Ltd. *The legal validity of this report can only be claimed on the presentation of the complete report.*



Certificate of Test: Chilt/P08131/AR1

Sentry International

C/O Units 4 - 6
 Parklands Business Centre
 Stortford Road
 Leaden Roding
 Essex
 CM6 1RB

This document confirms that performance testing was conducted from 20 April 2009 to 29 September 2009. Testing was conducted to the following standards:-

- PAS 23-1: 1999, Amendments 1, 2, 3 and 4 and Corrigendum 1, General performance requirements for door assemblies - Single leaf external door assemblies to dwellings,
- PAS 24-1: 2007 Enhanced security performance requirements for door assemblies - Part 1: Single and double leaf, hinged external door assemblies to dwellings
- And BS 6375 Part 1:2009 Performance of windows and doors - Part 1: Classification for weathertightness and guidance on selection and specification. The following results were achieved

Product tested	Sentry ProLite Doorset (Inward opening)		
Summary of testing procedure			Result
	Test Standard	Classification Standard	
Air permeability	BS EN 1026: 2000	BS EN 12207: 2000	600Pa (Class 3)
Watertightness	BS EN 1027: 2000	BS EN 12208: 2000	0Pa (Class 0)
Wind resistance	BS EN 12211: 2000	BS EN 12210: 2000	800Pa (Class A2)
Exposure category	BS 6375: Part 1: 2009		800U
PAS 24-1: 2007 - Clauses A.4, A.5, A.6, A.7, A.9, A.10 and A.11			Pass
PAS 23-1: 1999 – Clause 6.3, 6.4, 6.5, 6.6, 6.7, 6.8, 6.9, 6.10 and 6.11			Pass

Air leakage at 50pa was 7.5m³/h positive pressure and 7.1m³/h negative pressure. The perimeter length of opening light was 6.09m.

Passed PAS 24-1:2007 for the requirements of both key removable and thumbturn locks

The results relate only to the specimens tested, as detailed in the technical specification Chilt/P08131/tec1/AR1

The details of the sponsor of test reports Chilt/P08131 are held on file by Chiltern International Fire Ltd. This certificate is additional to that issued as Chilt/P08131 and dated 3 March 2010 and the original certificate shall remain valid and is not replaced by the additional certificate.

S.S. Smith
 Steve Smith – Test Engineer

Date: *12-10-2010*

V. Kerrigan
 Vincent Kerrigan - Technical Manager

Date: *12-12-2010*

Chiltern Dynamics

Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, United Kingdom

Tel: 01494 569800 Fax: 01494 564895

Web: www.chilternfire.co.uk

Email: cif@chilternfire.co.uk

This document is confidential and remains the property of Chiltern International Fire Ltd



1762

Page 1 of 4



Technical specification document

No: Chilt/P08131/tec1/AR1

Test For: Sentry International, C/O Units 4 - 6, Parklands Business Centre, Stortford Road, Leaden Roding, Essex, CM6 1RB.

Performance testing to PAS 23-1: 1999, Amendments 1, 2, 3 and 4 and Corrigendum 1, PAS 24-1: 2007 and BS 6375: Part 1: 2009 was conducted on your doorsets from 20 April 2009 to 29 September 2009. The technical specification is detailed below. The specimens were delivered to Chiltern Dynamics laboratory on 25 March 2009.

Description of construction

The specimens were identical and identified as Sentry ProLite Doorsets (Inward opening). The overall frame dimensions were 985mm wide x 2220mm high x 92mm deep and leaf dimensions were 915mm wide x 2135mm high x 44mm thick. The specimens were locked with a removable key.

Door frame

	Material/type	Dimensions (mm)	Density (kg/m ³)
Head & jambs	European Redwood	90 x 32	510*
Stops	European Redwood fixed to frame with 3.5 x 40 screws	45 x 15	510*
Cill	Sapele fixed to frame with 2No. 5 x 70 screws	90 x 32	640*
Threshold	Sealmaster Smartseal (Ref. TAS) fixed to cill with 3.5 x 20 screws	70 x 30	-
Architrave	European Redwood fixed with 1.5 x 40 pins	50 x 15	510*
Joints	Mortice and tenon and fixed with 2No. 5 x 70 screws	-	-

* As stated by client, not checked by laboratory

This document is confidential and remains the property of Chiltern International Fire Ltd

Chiltern Dynamics
Chiltern House, Stocking Lane, Hughenden Valley, High Wycombe, HP14 4ND, UK

Tel: 01494 569800

Fax: 01494 564895

Web: www.chilterndynamics.co.uk

Email: cd@chilterndynamics.co.uk

Door leaf

	Material/type	Dimensions (mm)	Density (kg/m ³)
Stile (hinge side)	Finger jointed mixed species hardwood	36 x 30	580*
Stile (lock side)	Finger jointed mixed species hardwood	36 x 23	580*
Top rail	Finger jointed mixed species hardwood	36 x 23	580*
Core	Albasia Falcata 3No. layers of 12-13mm thick outer lamels orientated horizontally and inner lamels orientated vertically	3No. layers of 12-13mm thick outer lamels orientated horizontally and inner lamels orientated vertically	200-300*
Facings	WBP Plywood	3.8 thick	550*
Lippings	Sapele	8 thick	650*
Drip bar	Sealmaster Weatherboard (Ref. WAS) fixed to leaf with 3.5 x 15 screws	30 x 20	-
Joints	Finger jointed for stiles and rails and butt jointed between stiles and rails and core material	-	-
Adhesive	Facing	Type B4 2-part Urethane*	-
	Core	PVAC*	-
	Lippings	PVA*	-

* As stated by client, not checked by laboratory

Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)	
Hinges	3No. Halspan steel butt hinge (Ref. HIN-BSS-103)*	100 x 30 blade size	4No. 4.8 x 32 screws into frame 4No. 5 x 40 screws into leaf	
Locking mechanism	ERA (Ref. 911.50.782)*	16 wide	10No. 4 x 30 screws	
Keeps	Upper & lower	ERA (Ref. 911.50.799)*	150 x 23	2No. 4 x 40 screws & 2No. 3.5 x 30 screws
	Centre	ERA (Ref. 5403-19)*	210 x 32	2No. 4 x 40 screws & 3No. 3.5 x 30 screws
Handles	Hoppe Tokyo*	120 lever length	2No. 6 x 60 machine screws	
Cylinder	CISA 5-pin Euro cylinder lock*	80 length	1No. 5 x 55 machine screw	

* As stated by client, not checked by laboratory

Perimeter sealing details

	Make/type	Size (mm)	Location
Door Edges	Halspan dropseal (Ref. SACPA08)	14 wide	On bottom of door leaf
Frame reveal	Halspan intumescent smoke seal (Ref. SF15x4G1BN2100)	15 x 4	Fitted centrally on rebate platform
	Halspan acoustic smoke seal (Ref. SAS1BLTR2100)	10 blade length	On stop upstand
Seal continuity	Seals uninterrupted	-	-