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CONFIDENTIAL

Report: Chilt/P08057

Certificate report on the testing of an access panel to BS EN 1026:2000 Windows and doors – Air permeability – Test method

Issue date: June 2008

Prepared for:
Exitile Ltd
49-61 Jodrel Street
Nuneaton
CV10 0JT

Certificate of Test: Chilt/P08057

This certificate is awarded to:

Exitile Ltd

49-61 Jodrel Street
Nuneaton
CV10 0JT

This document confirms that performance testing was conducted on 15 May 2008. Testing was conducted to the following standards;-

- BS EN 1026: 2000 Windows and doors - Air Permeability - Test method.

Product tested	Shallow sealed access panel		
Summary of testing and classification			Result
	Test Standard	Classification standard	
Air permeability	BS EN 1026: 2000	BS EN 12207: 2000	Class 4

The results relate only to the specimens tested, as detailed in technical specification document number Chilt/P08057/tec1

Paul Andrews – Lead Test Engineer
Date: 3 June 2008

Vincent Kerrigan - Deputy Technical Manager
Date: 04-06-2008

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UKAS TESTING
1762

Technical specification
No: Chilt/P08057/tec1

Test For: Exitile Ltd, 49-61 Jodrel Street, Nuneaton. CV10 0JT

Performance testing to BS EN 1026: 2000 was conducted on your specimen on 15 May 2008, and the technical specification is detailed below. The specimen was delivered to Chiltern Dynamics laboratory on 13 May 2008

Description of construction

The specimen was identified as shallow sealed access panel with overall frame dimensions of 650mm wide x 650mm high x 29mm deep. The opening panel dimensions were 596mm wide x 596mm high x 25mm thick. The panel was fitted into the test rig opening away from the chamber. The specimen was locked with a removable universal key.

Aperture frame (see Figure 1)

	Material/type	Dimensions (mm)
Stiles and rails	1.5mm thick Zintec steel folded profile	30 x 38
Rebate	Single type	28 x 14
Joints	Mitred and welded	-
Finish	Powder coated	-

* As stated by client, not checked by laboratory

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Panel (see Figure 1)

	Material/type	Dimensions (mm)
Panel	Folded 1.5mm thick sheet Zintec steel tray	596 x 596 x 25
Lock holder	Folded 1mm thick sheet Zintec steel welded to tray	100 x 32 x 39
Joints	Welded corners	-
Finish	Powder coated	-

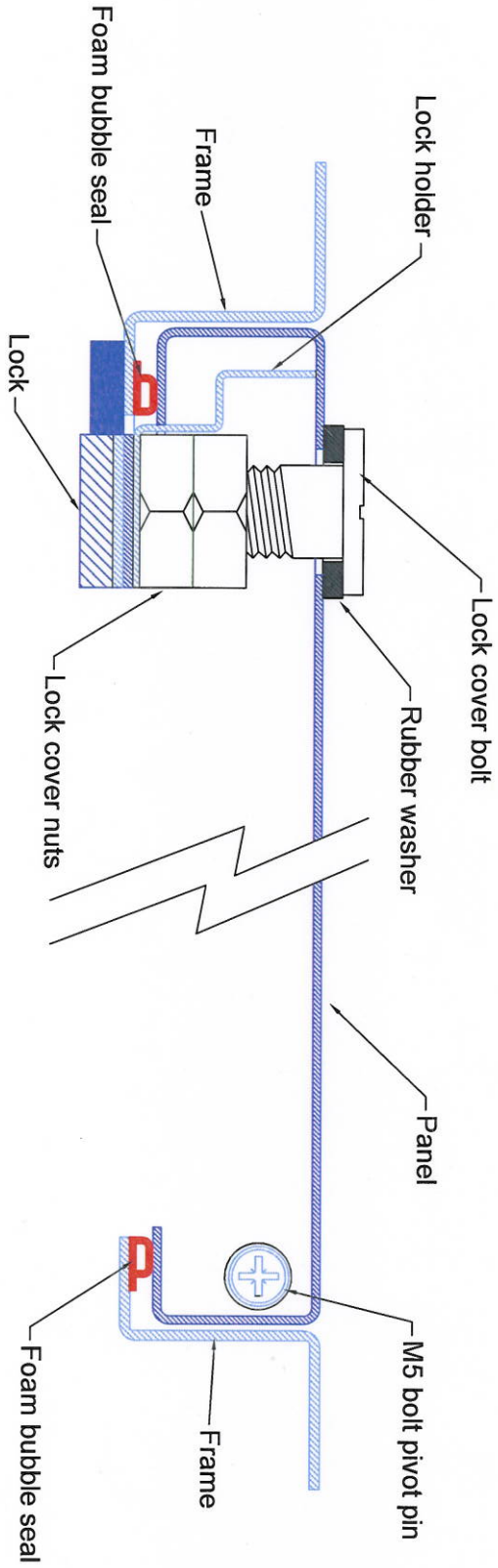
Hardware (see Figure 1)

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	M5 x 12 Pan head screws into M5 hankbush	M5 x 12 long	Fixed through 11 x 5 threaded block welded to leaf into hole in frame
Locking mechanism	Albil Engineering (Ref. Budget lock)	80 x 23 x 8	Welded to lock holder on panel
Keeps	None locks over face of frame	-	-
Lock cover bolt	14 x 25 bolt with 3 x 26 neoprene washer	14 diameter x 25 long	Fits into nut welded behind lock mechanism covering socket

Perimeter sealing details (see Figure 1)

	Make/type	Size (mm)	Location
Casement edges	None fitted	-	-
Frame reveal	Lorient neoprene 'P' strip (Ref. AS 10 20/10,0007E4)	6 wide	Rebate upstand of frame
Seal continuity	Seals uninterrupted by hardware	-	-

Figure 1	Exitile Ltd



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Schematic drawing showing cross section of access panel

Date Drawn	Drawn By	Scale Not to Scale All dimensions in mm unless otherwise stated
23/05/08	PA	
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Air permeability results

Positive chamber pressure

Pressure	Leakage (m^3/h)
50	0.3
100	0.2
150	0.3
200	0.2
250	0.4
300	0.1
450	0.4
600	0.6

Negative chamber pressure

Pressure	Leakage (m^3/h)
50	0.1
100	0.2
150	0.1
200	0.2
250	0.1
300	0.1
450	0.2
600	0.1

Measured length of opening joint 2.256m
Measured area of sample 0.366m