

CONFIDENTIAL

Chilt/P06049/01

**Certificate report on the testing of an Access panel
to relevant clauses of BS 6375 Part 1**

**Test For:
Exitile Ltd
William House
49-61 Jodrell Street
Nuneaton
Warwickshire
CV11 5EG**



www.chilternfire.co.uk



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

t +44 (0) 1494 569800 f +44 (0) 1494 564895
e cif@chilternfire.co.uk w www.chilternfire.co.uk

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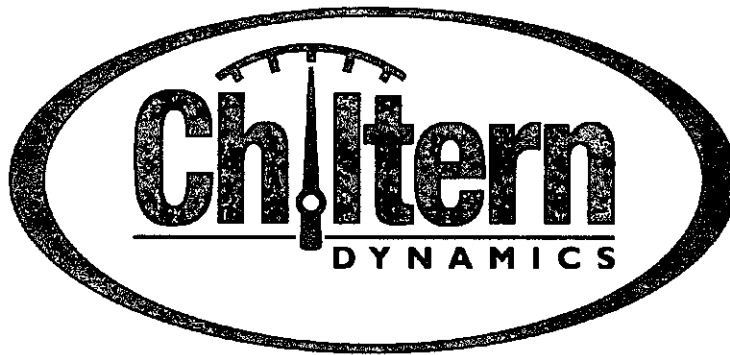
Date of issue: June 2006

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Test Certificate: Chilt/P06049

This certificate is awarded to:

Exitile Ltd
William House
49-61 Jodrell Street
Nuneaton
Warwickshire
CV11 5EG

This document confirms that performance testing to BS 6375: Part 1: 2004 on your Airtight Access Panel Type RTV6100 was conducted on 10 April 2006 and the following results were achieved.

Summary of testing procedure		Result
BS 6375: Part 1: 2004	Air permeability	600 Pa

The results relate only to the specimens tested, as detailed in technical specification document number Chilt/P06049/tec1

S.T. Smith

Steve Smith – Test Engineer
Date: 9 June 2006

Vincent Kerrigan – Deputy Testing Manager
Date: 9 June 2006

Chiltern Dynamics

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

Tel: 01494 569800

Fax: 01494 564895

Web: www.chilterndynamics.co.uk

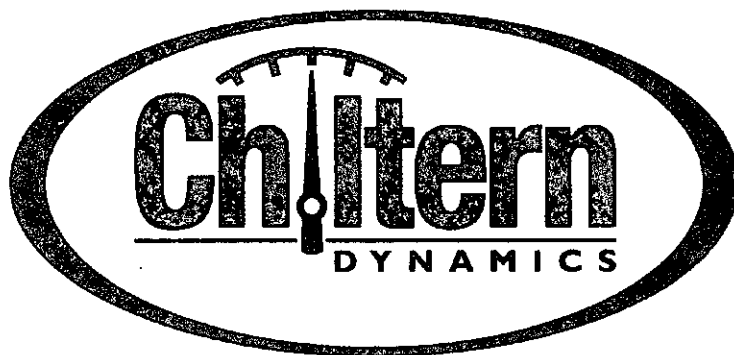
Email: cd@chilterndynamics.co.uk

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Technical specification document

No: Chilt/P06049/tec1

Test For: Exitile Ltd, William House, 49-61 Jodrell House, Nuneaton, Warwickshire, CV11 5EG.

Performance testing to BS 6375: Part 1: 2004, was conducted on your Access panel on 10 April 2006 and the technical specification is detailed below. The specimen was delivered to Chiltern Dynamics laboratory on 7 April 2006.

Description of construction.

The specimen was identified as an Airtight Access Panel type RTV6100 with overall frame dimensions of 650mm wide x 1850mm high x 88mm deep and Panel dimensions of 595mm wide x 1795mm high x 63mm thick. The specimen was unlocked.

Access Panel (See Fig. 1 for details)

		Material/type	Dimensions (mm)	Density (kg/m ³)
Core		Sheet of Lafarge Megadeco board screw fixed to rear of the door tray	12.5 thick	11*
Facings	Outer	Zintec steel	0.9 thick	-
	Inner	Zintec steel	0.9 thick	-
Reinforcement		2No. pre formed top hat shaped stiffeners welded within panel	100 x 46 x 0.9	-
Adhesive	Facing	Wickes HP building adhesive 'forget nails' gap filler adhesive	-	-
Channel		Zintec steel channel	20 x 12	-
Sealants		Channel filled with RTV silicone dielectric gel (Ref. RTV6100)	-	-
Fixings		Panel was fixed together with 14No. self tapping screws	4 x 24	-
Finish		Polyester powder coated white 20% gloss (Ref. RAL9010)	-	-

* Stated density, not checked by laboratory

** Nominal density

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Tel: 01494 569800

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Frame (See Fig. 1 for details)

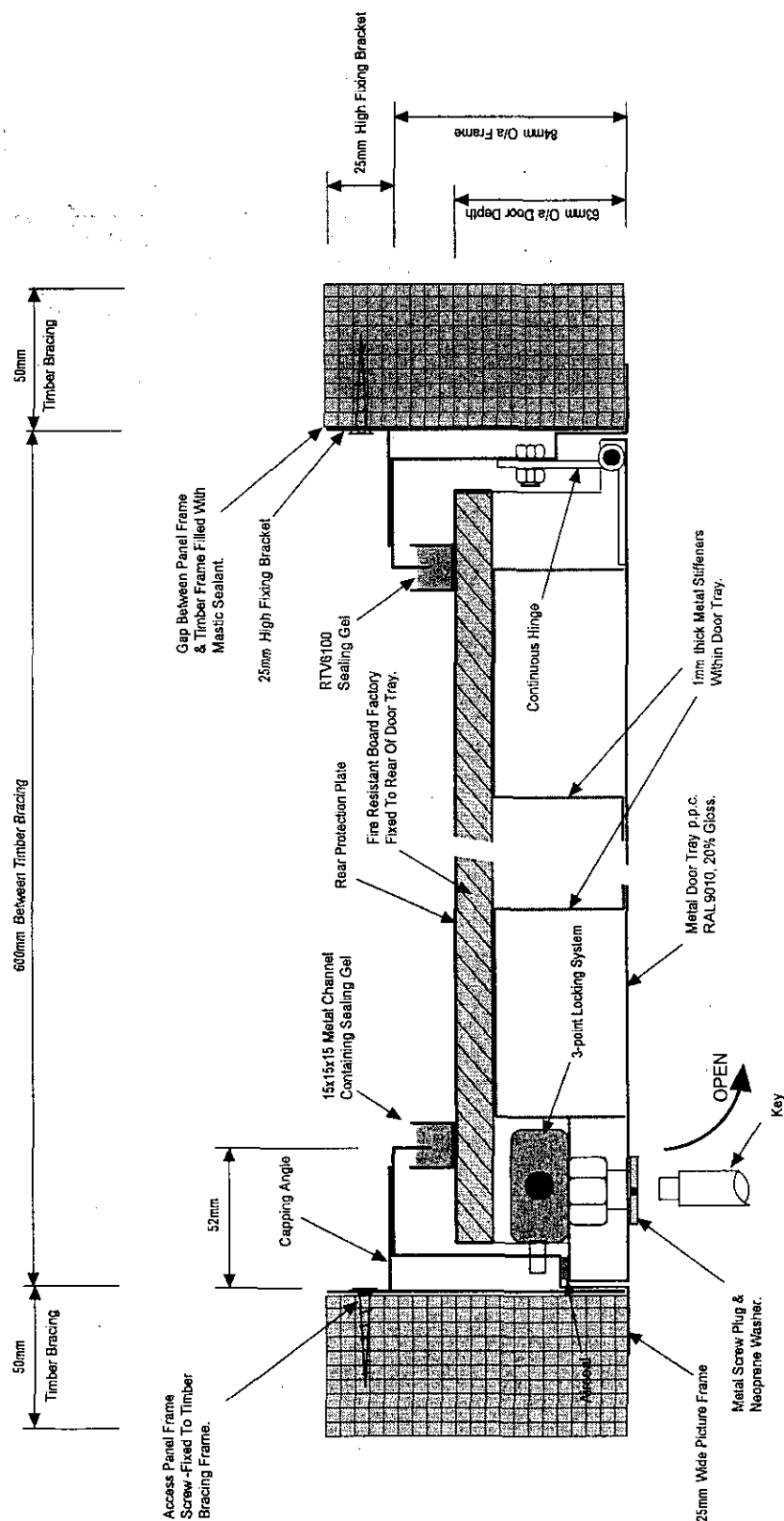
	Material/type	Dimensions (mm)	Density (kg/m³)
Head & jambs	Zintec steel profile 1.2mm thick	88 x 76	-
Rebate	Double type	25 x 11 58 x 38	-
Cover plate	Welded around the perimeter	1.2 thick	-
Joints	Mitred at corners	-	-
Adhesive	Wickes HP building adhesive 'forget nails' gap filler adhesive	-	-

Hardware

	Make/type	Size (mm)	Fixing details (dimensions in mm)
Hinges	Gold & Wassel (Ref. 1628S)	1795 length	5No. M6 bolts
Locking mechanism (Removable key operated)	Emka (Ref. 1049-U20) 3 point locking	1795 length	2No. 4.5 x 23 bolts 2No. 5.5 x 13 bolts
Top & bottom keeps	Aperture cut in frame	20 x 9	-
Centre keep	Aperture cut in frame	80 x 7	-
Protected key aperture	Metal screw removable bung with Neoprene washer	16 Diameter	-

Perimeter sealing details

	Make/type	Size (mm)	Location
Door Edges	None present	-	-
Frame reveal	C.B. Frost PU foam airseal (Ref. CF6)	10 wide	On rebate upstand
Seal Continuity	Seal only on lock side of frame	-	-



Chiltern House, Stocking Lane, Hughenden Valley
 High Wycombe, Buckinghamshire, HP14 4ND, UK.
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Schematic drawing of access panel
 showing cross section construction
 Detail provided by client

Date Drawn
 9/06/06

Drawn By
 PA

Scale Not to Scale
 All dimensions in mm
 unless otherwise stated

Project No.
 Chilt/P06049/tec 1

Page 3 of 3

Tom Beasley

From: Paul Andrews [pandrews@chilternfire.co.uk]
Sent: 15 June 2006 16:15
To: 'tom@exitle.com'
Subject: Air leakage figures

Tom
Steven has asked me to email you the details of the air leakage figures as measured on your access panel detailed in technical specification Chilt/P06049/tec1

the results are as follows as a leakage through the specimen at a static pressure

Positive pressure	
50pa	0.2 m3/hour
100pa	0.6 m3/hour
150pa	0.2 m3/hour
200pa	0.3 m3/hour
250pa	0.6 m3/hour
300pa	0.6 m3/hour
450pa	0.3 m3/hour
600pa	0.4 m3/hour

Negative pressure	
50pa	0.1 m3/hour
100pa	0.1 m3/hour
150pa	0.1 m3/hour
200pa	0.2 m3/hour
250pa	0.3 m3/hour
300pa	0.2 m3/hour
450pa	0.3 m3/hour
600pa	0.1 m3/hour

If you have any questions regarding this please do not hesitate to contact either Steven or myself
regards

Paul Andrews

Senior Test Engineer Chiltern Dynamics

Direct dial: +44 (0) 1494 569734

Switchboard: +44 (0) 1494

$$\text{Leakage/lin } \pi = \frac{\text{m}^3/\text{hr}}{4.88}$$

569800

Web: www.chilternfire.co.uk

Fax: +44 (0) 1494 564895

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Chiltern House Stocking Lane Hughenden Valley
High Wycombe Buckinghamshire HP14 4ND UK
t +44 (0) 1494 569800 f +44 (0) 1494 564895
e cif@chilternfire.co.uk w www.chilternfire.co.uk
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