

TESTS OF INDUSTRIAL, COMMERCIAL and GARAGE DOORS and GATES

TESTED TO EN13241-1:2003

TEST CONCLUSIONS

Samples of:

Product : Timber garage door

Manufactured by Cedar door Ltd

Model : Sherwood Radcliffe

Size : 8'0 x 8'0

have been tested in accordance with:

EN 13241-1:2003 Clause 4.4.3

By Warrington APT Laboratories Ltd.

At Key Industrial Park, Fernside Rd., Willenhall,, West Midlands. WV13 3YA,

Results as detailed below:

Standard & Clause No.	Description	Compliance
EN 13241-1:2003 clause 4.4.1	Watertightness	N/t
EN 13241-1:2003 clause 4.2.9	Release of dangerous substances	N/t
EN 13241-1:2003 clause 4.4.3 EN 12424:2000 clause 4. EN 12444:2001 clause 7.1.2	Resistance to wind load – Class +5, -5	Yes
EN 13241-1:2003 clause 4.4.5	Thermal resistance	N/t
EN 13241-1:2003 clause 4.4.6	Air permeability	N/t
EN 13241-1:2003 clause 4.2.2 EN 12604:2000 clause 4.4.1 EN 12605:2000 clause 5.1.5 EN 12453:2000 clause 5.3.5	Manual operation	N/t
EN 13241-1:2003 clause 4.2.8 EN 12604:2000 clause 4.3.4 EN 12604:2000 clause 5.3.2	Safe opening of vertical moving doors. Anti drop devices Out of balance forces	N/t
EN 13241-1:2003 clause 4.4.3 EN 12453:2000 clause 5.1 EN 12445:2000 clause 5.2	Operating forces	N/t
EN 13241-1:2003 clause 4.4.7	Durability of performance characteristics	N/t

No inferences can be made regarding performance against other requirements of this standard

AUTHORISATION

Tests performed by: Steve Wilkes, Test Engineer

Report issued by: Steve Wilkes, Test Engineer

Signed *Steve Wilkes*

Date : 07 December 2005

For and on behalf of Warrington APT laboratories Ltd

Report authorised by: Paul Duggan, Quality Manager

Signed

Date

Paul Duggan
7 Dec 05

For and on behalf of Warrington APT laboratories Ltd

Report issued: 07 December 2005



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NOTE.

Tests marked "Not UKAS Accredited" are not covered by the Laboratory UKAS accreditation schedule.

Tests marked NT were not tested

Tests marked NA are not applicable to the product on test.

Warrington APT Laboratories Ltd. is an EC Notified Body Number 1104

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TEST DETAILS

CLIENT DETAILS

Company name Cedar door Ltd
Address Wimsey Way
Alfreton Trading Estate
Somercoates
Derbyshire
DE55 4LS
United Kingdom
Contact Tony Humphreys

ORDER DETAILS

Order number Verbal
Dated

SAMPLE DETAILS

Product Timber garage door
Model Sherwood Radcliffe with windows (Perspex)
Markings None
Manufacturer Cedar door Ltd
Date of Manufacture 01/06/05
Other information Timber / Steel.

TEST DETAILS

Test reference nos. 147419/1
Date sample received 06/06/05
Date test started 06/06/05
Date test completed 07/06/05
Specification tests conducted to BS EN 13241-1:2003
Class and or Category Class 5 required.
Special Test requirements None
Other reports to be used in conjunction with this report 147419/1 – 147419/6

STANDARD REQUIREMENTS

Class 1 300 Pascals
Class 2 450 Pascals
Class 3 700 Pascals
Class 4 1000 Pascals
Class 5 above 1000 Pascals as agreed with client

Note All classes must withstand 25% overload

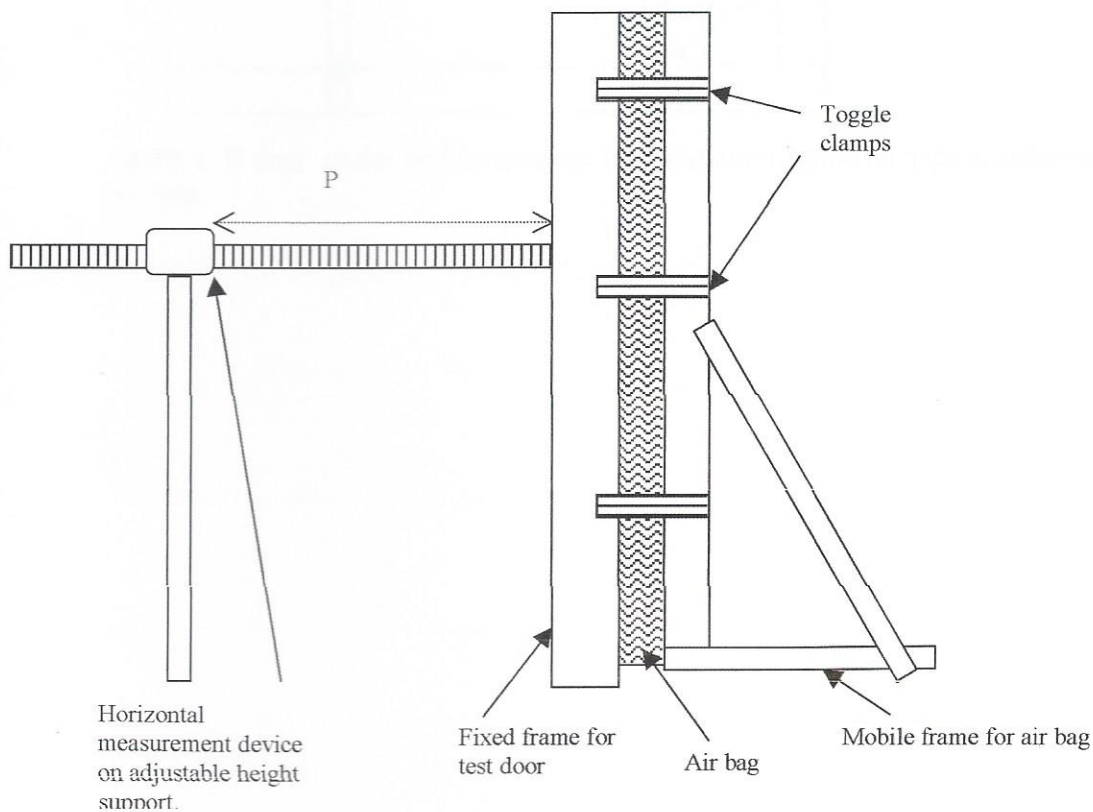
TEST RESULTS

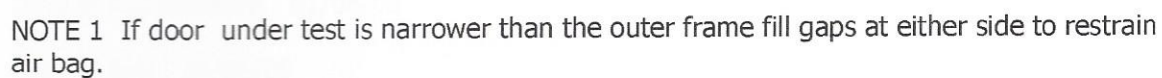
WIND LOADING – Clause 4.4.3 of BSEN 13241-1:2003-10-30

TEST METHOD – door loaded by inflated air bag

The standard requires a load to be applied to both faces of the door in turn.

The apparatus consists of a fixed frame into which the door under test is fitted and a mobile frame onto which is fixed the air bag used to apply the pressure to the door.





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Details of door tested:

Model : Sherwood Radcliffe Timber garage door

Size : 8'0 x 8'0

Construction and materials : Timber / Steel

Details of frame tested:

Model : Timber

Size : 8'0 x 8'0

Construction and materials : Timber.

Date of manufacture : 01/06/05

Date of test : 06/06/05

Storage conditions between manufacture and test : Not specified

Details of frame fixing to test rig: Bolted.

Full details of door and frame in annex A

Required Class :	Class 5 Inward	Reference wind load 1000+(Pa) Overload wind load 1250+(Pa)
	Class 5 outward	Reference wind load 1000+(Pa) Overload wind load 1250+(Pa)

Test 1 – load on outer face

Ambient temperature 21.4°C

Pressure Pa	Position of centre mm	Deflection mm	Movement out of guide	
			LH(mm) I	RH(mm)
Zero	2000	-----	-----	-----
379	1980	20	-----	-----
562.5	1970	30	-----	-----
780	1960	40	-----	-----
1000	1950	50	-----	-----
1250+	1940	60	-----	-----
1500	1930	70	-----	-----

Permanent distortion : no

Breakage of components : no
(details)

Permanent deformation which could influence safety : no
(details)

Deflection of materials to allow disengagement of door and frame : no

1580 Pa achieved (class 5) on the outer face loaded in the inwards direction before frame damaged.

Test 2 – load on inner face

Ambient temperature 21.4°C

Pressure Pa	Position of centre mm	Deflection mm	Movement out of guide	
			LH(mm)	I RH (mm)
Zero	1870	-----	-----	-----
379	1860	10	-----	-----
562.5	1850	20	-----	-----
780	1840	30	-----	-----
1000	1830	40	-----	-----
1250+	1820	50	-----	-----

1258 Pa achieved on the inner face loaded in the outwards direction, no visual signs of any problems.

Permanent distortion : no

Breakage of components : no
 (details)

Permanent deformation which could influence safety : no
 (details)

Deflection of materials to allow disengagement of door and frame : no

Wind load class achieved

Inwards : Class +5

Outwards : Class -5

Observations and comments.

Class 5 achieved on both inner and outer faces, no visual signs of any damage to door.

----- END OF REPORT -----

test report

Report No: 147419/1

Test of:

Timber garage door
Sherwood Radcliffe
with windows (Perspex)
8'0 x 8'0

Tested to:

BS EN 13241-1:2003

For:

Cedar Doors Ltd
Wimsey Way
Alfreton Trading Estate
Somercotes
Derbyshire
DE55 4LS
United Kingdom