

test report

Report No: 147419/3

Test of:

Timber garage door
Sherwood Radcliffe
with windows (Perspex)
16'0 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

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AUTHORISATION

Tests performed by: Steve Wilkes, Test Engineer

Report issued by: Steve Wilkes, Test Engineer

Signed *S. Wilkes*

Date : 07 December 2005

For and on behalf of Warrington APT laboratories Ltd

Report authorised by: Paul Duggan, Quality Manager

Signed

Date

h 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

TESTS OF INDUSTRIAL, COMMERCIAL and GARAGE DOORS and GATES

TESTED TO EN13241-1:2003

TEST CONCLUSIONS

Samples of:

Product : Timber garage door

Model : Sherwood Radcliffe

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,

Manufactured by Cedar door Ltd

Size : 16'0 x 8'0

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 +2, -1	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

TESTS OF INDUSTRIAL, COMMERCIAL and GARAGE DOORS and GATES
TESTED TO EN13241-1:2003

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 Not shown
Manufacturer Cedar door Ltd
Date of Manufacture 01/06/05
Other information Timber / Steel.

TEST DETAILS

Test reference nos. 147419/3
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 To be determined
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

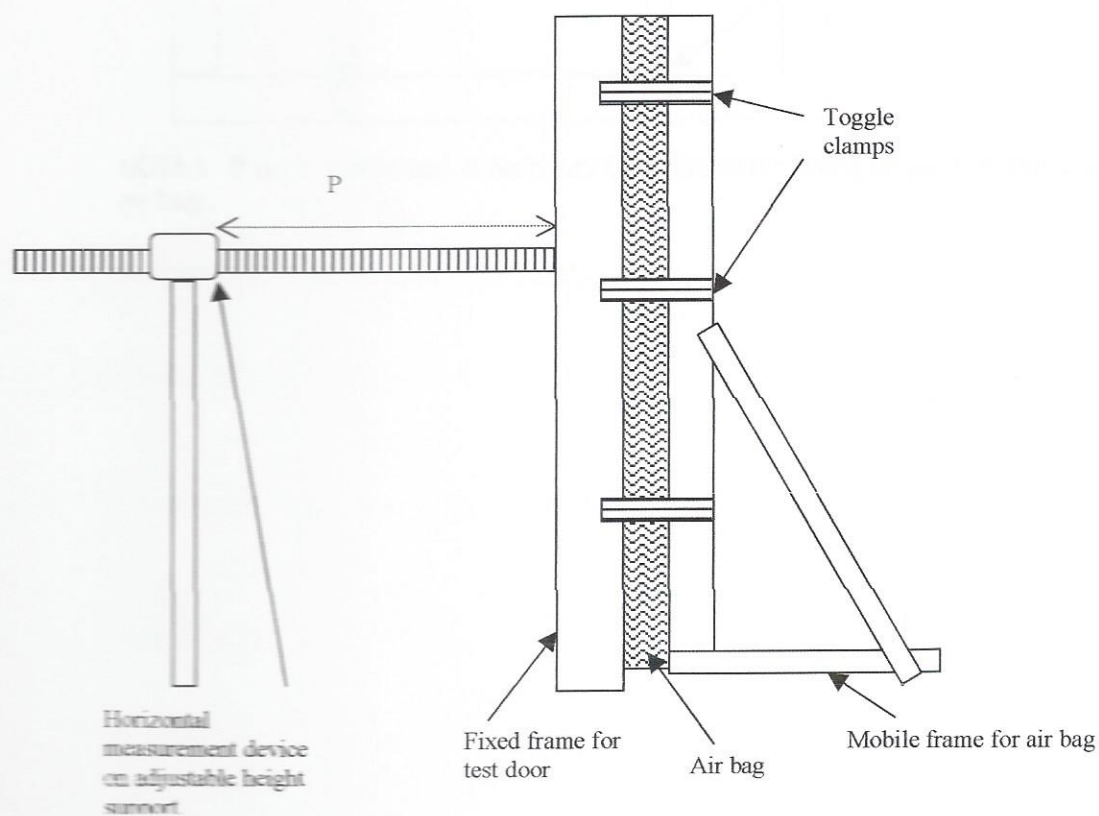
TEST RESULTS

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

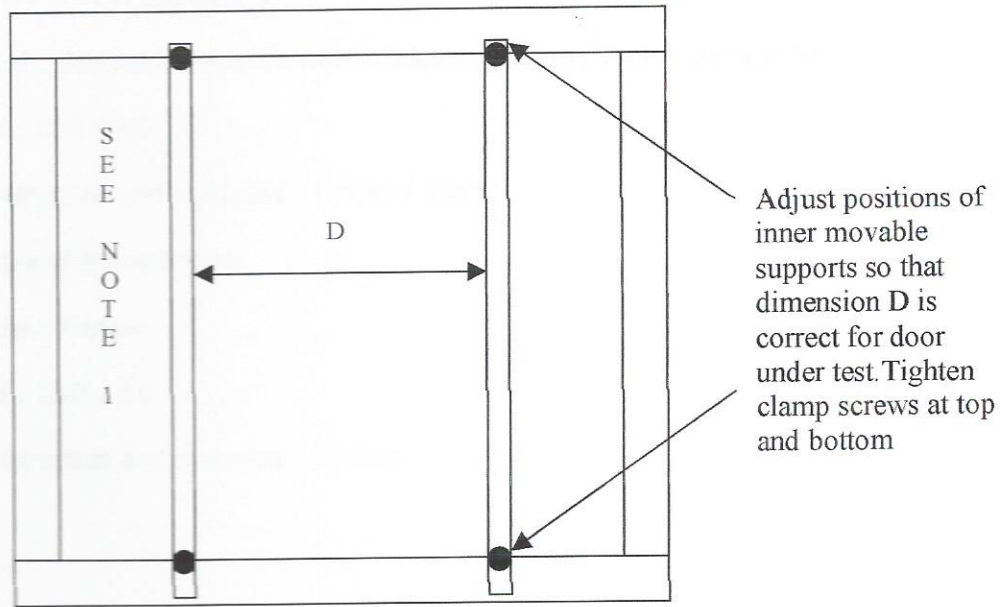
TEST METHOD – door loaded by inflated air bag

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.



TESTS OF INDUSTRIAL, COMMERCIAL and GARAGE DOORS and GATES
TESTED TO EN13241-1:2003



NOTE 1 If door under test is narrower than the outer frame fill gaps at either side to restrain air bag.

Details of door tested:

Model : Sherwood Radcliffe with windows (Perspex) Timber garage door

Size : 16'0 x 8'0

Construction and materials : Timber / Steel

Details of frame tested:

Model : Timber

Size : 16'0 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.

Details of frame fixing to test rig: Bolted

Full details of door and frame in annex A

Required Class :	Class 2 Inward	Reference wind load 450 (Pa) Overload wind load 562.5 (Pa)
	Class 1 outward	Reference wind load 300 Pa Overload wind load 375 (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	1910	90	-----	-----
562.5	1870	130	-----	-----

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
(details)

562.5 Pa achieved (Class 2) on the outer face loaded in the inwards direction, no visual signs of any damage.

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	1860	-----	-----	-----
379	1780	80	-----	-----
503		-----	-----	-----

503 Pa achieved (Class 1) on the inner face loaded in the outwards direction before door edge slipped over catch, causing one side to open.

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
(details)

Wind load class achieved

Inwards : Class +2

Outwards : Class -1

Observations and comments.

Class 1 achieved on inner face loaded in the outwards direction, class 2 achieved on outer face loaded in the inwards direction. client requested test to stop at this point.

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