

test report

Report No: 147419/6

Test of:

Timber garage door
Hope
with windows (glass)
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

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 : Hope with windows

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 +3, -2	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 performed by: Steve Wilkes, Test Engineer

Report issued by: Steve Wilkes, Test Engineer

Signed

Date : 07 December 2005

For and on behalf of Warrington APT laboratories Ltd

Report authorised by: Paul Duggan, Quality Manager

Signed

Date _____

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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TESTED TO EN13241-1:2003

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TEST DETAILS

CLIENT DETAILS

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

ORDER DETAILS

Order number	Verbal
Dated	

SAMPLE DETAILS

Product	Timber garage door
Model	Hope with windows (glass)
Markings	Not shown
Manufacturer	Cedar door Ltd
Date of Manufacture	01/06/05
Other information	Timber / Steel.

TEST DETAILS

Test reference nos.	147419/6
Date sample received	06/06/05
Date test started	07/06/05
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

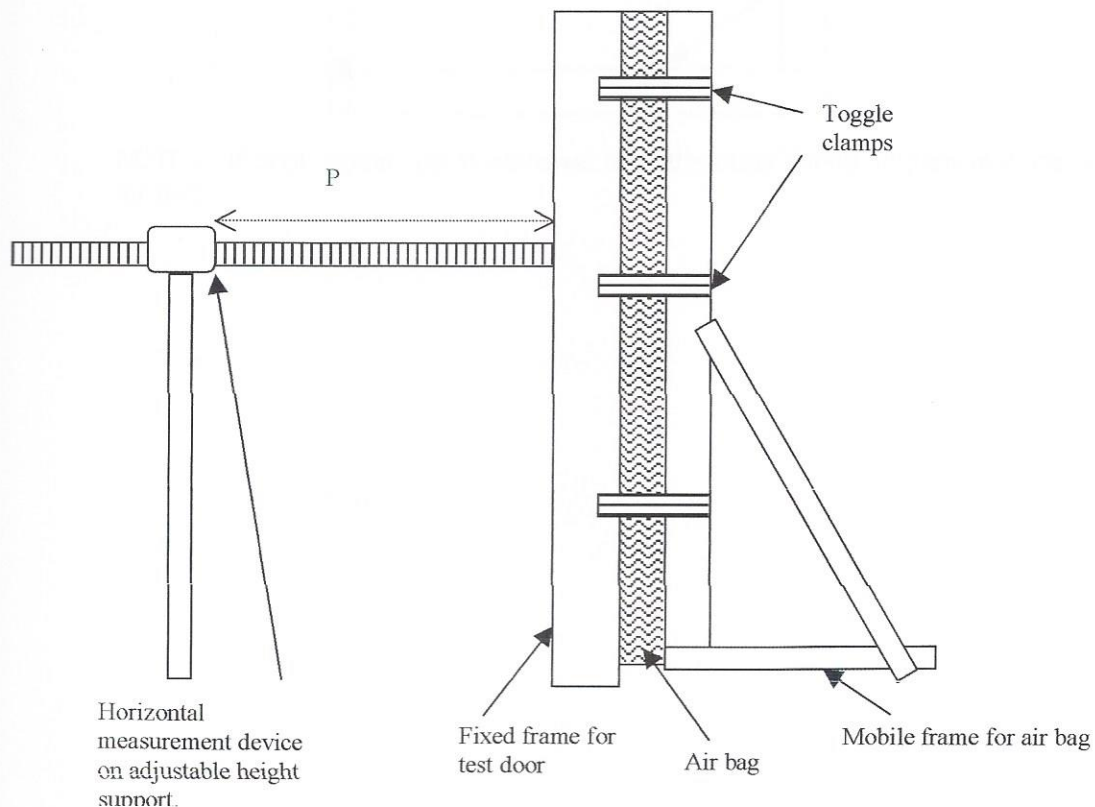
TEST RESULTS

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

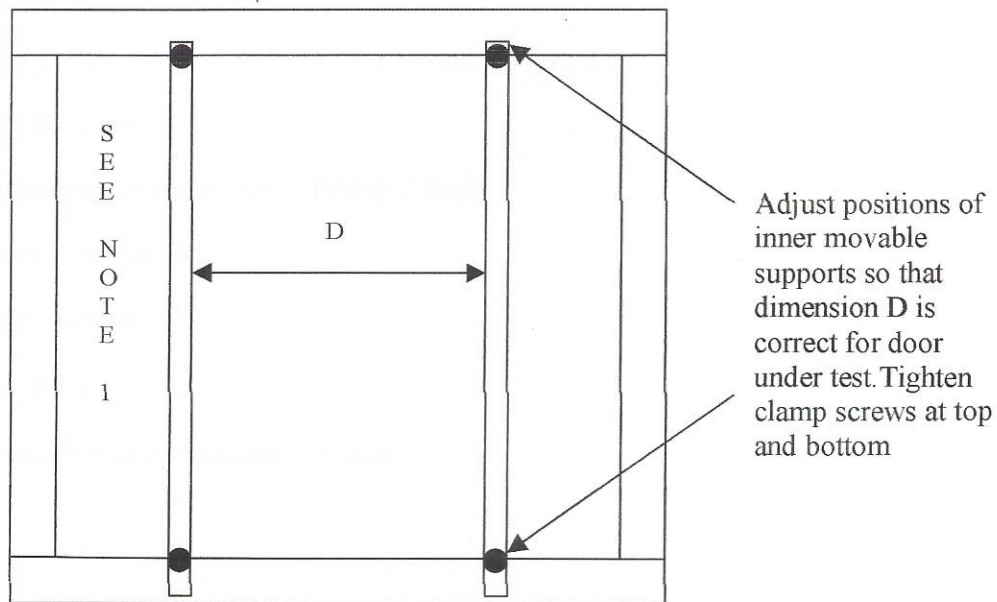
TEST METHOD – door loaded by inflated air bag

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.



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

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Details of door tested:

Model : Hope with windows (glass) 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 : 07/06/05

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 3 Inward	Reference wind load 700 (Pa) Overload wind load 875 (Pa)
	Class 2 outward	Reference wind load 450 Pa Overload wind load 562.5 (Pa)

Test 1 – load on outer face

Ambient temperature 21.6°C

Pressure Pa	Position of centre mm	Deflection mm	Movement out of guide	
			LH(mm)	RH(mm)
Zero	2020	-----	-----	-----
379	1990	30	-----	-----
562.5	1980	40	-----	-----
780	1960	60	-----	-----
1000	1950	70	-----	-----
1167	1930	90	-----	-----

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)

1167 Pa achieved (Class 3) on the outer face loaded in the inwards direction, test stopped at clients request.

Test 2 – load on inner face

Ambient temperature 21.6°C

Pressure Pa	Position of centre mm	Deflection mm	Movement out of guide	
			LH(mm)	I RH (mm)
Zero	1900	-----	-----	-----
379	1880	20	-----	-----
562.5	1870	30	-----	-----

562.5 Pa achieved (Class 2) on the inner face loaded in the outwards direction.

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 +3

Outwards : Class -2

Observations and comments.

1167 Pa achieved (Class 3) on the outer face loaded in the inwards direction, 562.5 Pa achieved (Class 2) on the inner face loaded in the outwards direction. Tests were stopped at clients request.

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