

# test report

Report No: 147419/5

Test of:

Timber garage door  
York Sectional  
with windows (glass)  
16'0 x 10'0

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 : York Sectional

Size : 16'0 x 10'0

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<br>EN 12424:2000 clause 4.<br>EN 12444:2001 clause 7.1.2                                  | Resistance to wind load –<br>Class +3, -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<br>EN 12604:2000 clause 4.4.1<br>EN 12605:2000 clause 5.1.5<br>EN 12453:2000 clause 5.3.5 | Manual operation   | N/t        |
| EN 13241-1:2003 clause 4.2.8<br>EN 12604:2000 clause 4.3.4<br>EN 12604:2000 clause 5.3.2                               | Safe opening of vertical moving doors.<br>Anti drop devices<br>Out of balance forces | N/t        |
| EN 13241-1:2003 clause 4.4.3<br>EN 12453:2000 clause 5.1<br>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 

Date : 07 December 2005

For and on behalf of Warrington APT laboratories Ltd

Report authorised by: Paul Duggan, Quality Manager

Signed 

Date 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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### ORDER DETAILS

Order number  
 Date

### SAMPLE DETAILS

Product  
 Model  
 Material  
 Manufacturer  
 Date of Manufacture  
 Other information

### TEST DETAILS

Test reference  
 Test date  
 Test time  
 Test location  
 Test equipment  
 Test results  
 Test conclusion  
 Test signature

### TEST RESULTS

Test results  
 Test results  
 Test results  
 Test results  
 Test results  
 Test results  
 Test results  
 Test results



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 York Sectional with windows (glass)  
Markings  
Manufacturer Cedar door Ltd  
Date of Manufacture 01/06/05  
Other information Timber & glass.

### TEST DETAILS

Test reference nos. 147419/5  
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  
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

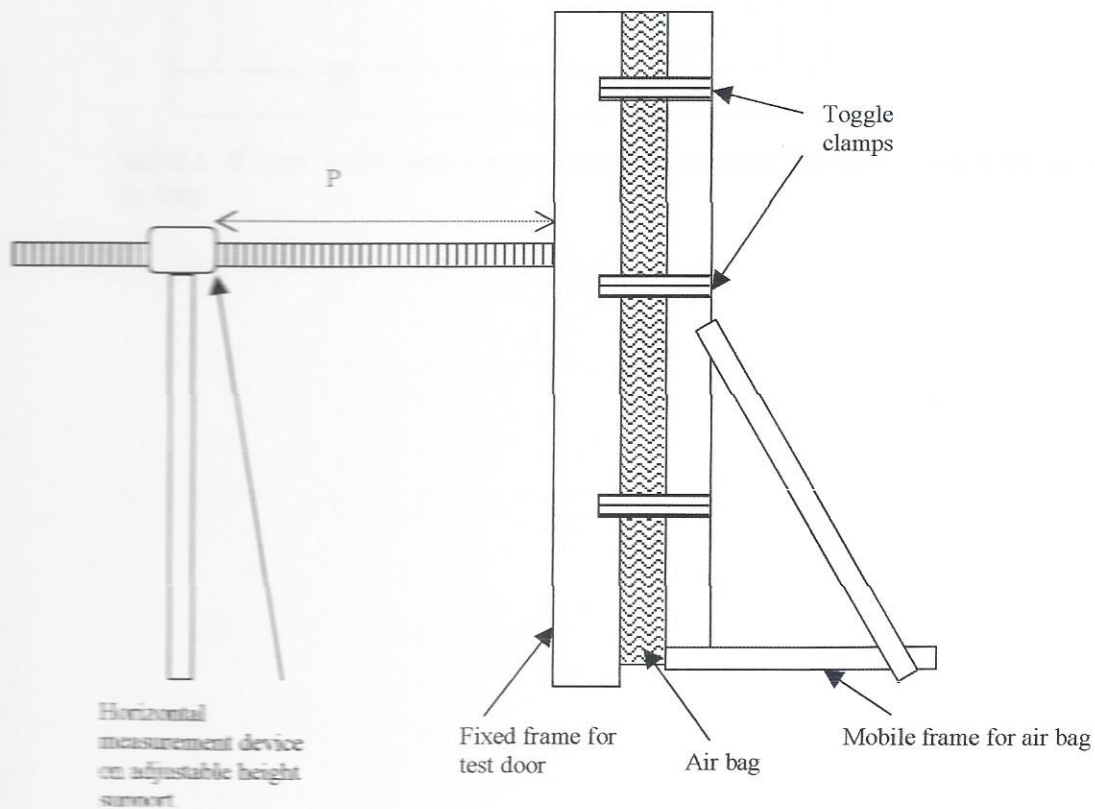
## TEST RESULTS

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

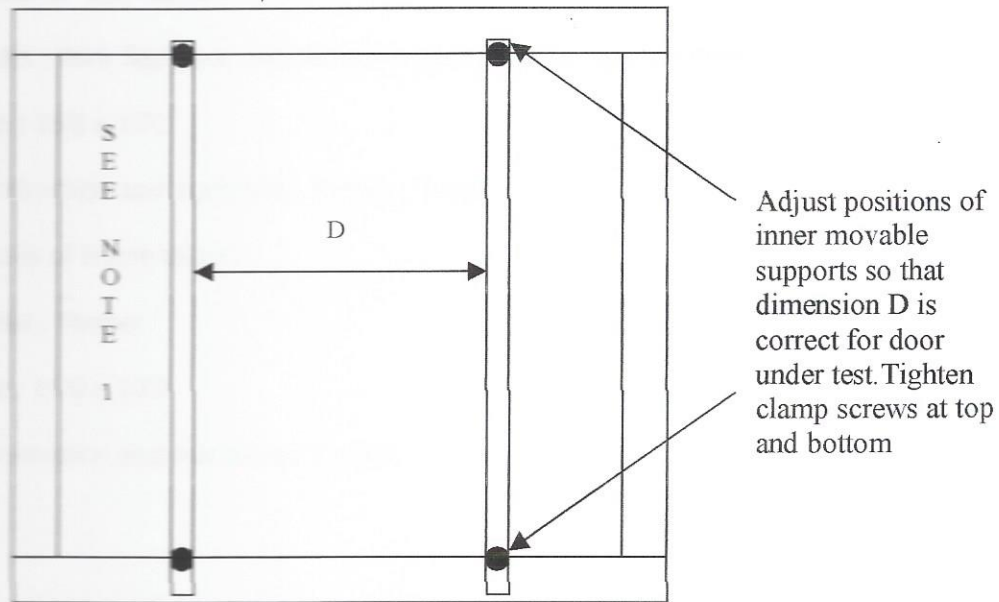
TEST METHOD – door loaded by inflated air bag

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  
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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 : York Sectional with windows (glass) Timber garage door.

Size : 16"0 x 10"0

Construction and materials : Timber / Steel

Details of frame tested:

Model : Timber

Size : 16"0 x 10"0

Construction and materials : Timber.

Date of manufacture : 30/05/05

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)<br>Overload wind load 875 (Pa) |
|                  | Class 1 outward | Reference wind load 300 Pa<br>Overload wind load 375 (Pa)   |



Ambient temperature 21.6°C

| Pressure Pa | Position of centre mm | Deflection mm | Movement out of guide |          |
|-------------|-----------------------|---------------|-----------------------|----------|
|             |                       |               | LH(mm)                | I RH(mm) |
| Zero        | 2000                  | -----         | -----                 | -----    |
| 379         | 1950                  | 50            | -----                 | -----    |
| 562.5       | 1920                  | 80            | -----                 | -----    |
| 780         | 1910                  | 90            | -----                 | -----    |
| 1000        | 1900                  | 100           | -----                 | -----    |

Breakage of components : YES  
(details)

Permanent deformation which could influence safety : no (details)

Deflection of materials to allow disengagement of door and frame : YES  
(details)

1004 Pa achieved (Class 3) on the outer face loaded in the inwards direction before end damaged,

**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        | 1950                  | -----         | -----                 | -----   |
| 379         | 1900                  | 50            | -----                 | -----   |

379 Pa achieved 9Class 1) 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  
(details)

**Wind load class achieved**

Inwards : Class +3

Outwards : Class -1

Observations and comments.

Inner face test was stopped at clients request.

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