Report No: 147419/2

Test of:

Timber garage door York Sectional with windows (glass) 8'0 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

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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

Size: 8'0 x 10'0

Model: York Sectional 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 | Complience |
|--|--|------------|
| 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 clause4. EN 12444:2001 clause 7.1.2 | Resistance to wind load – Class +2, -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

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AUTHORISATION

Tests performed by: Steve Wilkes, Test Engineer

Report issued by: Steve Wilkes, Test Engineer

Signed Sicales

Date: 07 December 2005

For and on behalf of Warrington APT laboratories Ltd

Report authorised by: Paul Duggan, Quality Manager

Signed

Date 7 DEC is

For and on behalf of Warrington APT laboratories Ltd

Report issued: 07 December 2005



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.

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

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

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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

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

TEST DETAILS

Test reference nos. 147419/2 Date sample received 06/06/05 Date test started 06/06/05 Date test completed 07/06/05

Specification tests conducted

BS EN 13241-1:2003

to

Class and or Category Special Test requirements None Other reports to be used in conjunction with this report

To be determined.

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

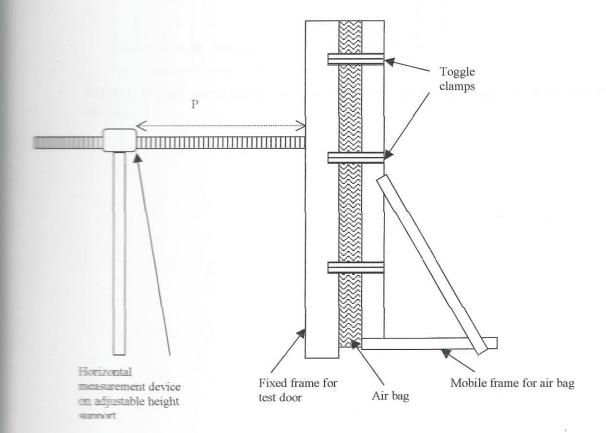
TEST RESULTS .

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

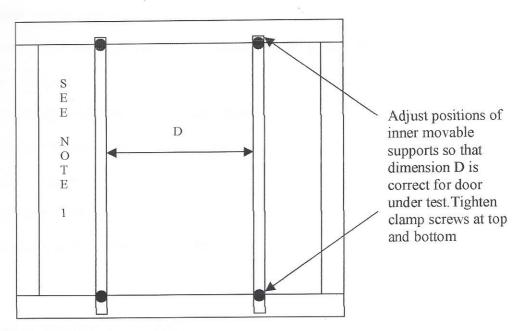
TEST METHOD - door loaded by inflated air bag

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

Size: 8'0 x 10'0

Construction and materials: Timber & glass

Details of frame tested:

Model: Timber

Size: 8'0 x 10'0

Construction and materials: Timber.

Date of manufacture: 30/05/05

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 2 Inward Reference wind load 450 (Pa)

Overload wind load 562.5 (Pa)

Class 2 outward Reference wind load 450 Pa)

Overload wind load 562.5 (Pa)

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

Test 1 - load on outer face

Ambient temperature

21.4°C

| Pressure Pa | Position of centre mm Deflection mm | | n mm Movement out of gui | |
|-------------|-------------------------------------|----|----------------------------|-----|
| Zero | 2000 | | | |
| 379 | 1990 | 10 | | |
| 562.5 | 1980 | 20 | | |
| 780 | 1970 | 30 | | *** |

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)

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

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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 | 1930 | | | |
| 379 | 1920 | 10 | | |
| 562.5 | 1910 | 20 | | |

562.5 Pa achieved (Class 2) 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 +2

Outwards: Class -2

Observations and comments.

Tests were stopped at clients request.

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

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