**Cyclone Testing Station**
School of Engineering and Physical Sciences
James Cook University
Townsville Qld 4811 Australia

Telephone (07) 4781 4722
Facsimile (07) 4781 6788
Email: jcu.cts@jcu.edu.au
www.jcu.edu.au/cts

# TEST SUMMARY SHEET – TS914

**Reappraisal Date of Summary of Test Results Sheet: 31 December 2017 (See Note 2 below)**

Simulated wind load testing was conducted on 10/100 Roll-A-Shutter Door. The testing was performed with the use of new materials provided by B & D Australia Pty Ltd.

## Description of Roller Shutter and Set-Up Tested

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|---|---|
| Product Name: | 10/100 Roll-A-Shutter Door |
| Roller Shutter Assembly: | Door curtain formed by interlocking slats supported in guide tracks with wind locks |
| Roller Shutter slat Dimensions: | 1.0 mm BMT, G300 steel with an overall height of 110 mm and a cover height of 100 mm |
| Roller Shutter Wind Locks: | Cast steel 50 mm wide and 40 mm long with upturned lip 15 mm high and 7 mm thick with a recessed segment on the inside of the lip creating a 'beak' profile. |
| Roller Shutter Guide Track: | 85 × 50 × 3.0 mm steel 'C' channel with 40 × 12 mm flat steel bar plug welded at 250 mm spacing to the inner face of the channel. |
| Roller Shutter Guide Lugs: | 5 mm thick 48 × 20 mm "angle" cross section lugs welded at 250 mm centres |
| Guide Track fixing: | Guide tracks fixed to supports with M12 bolts through guide track lugs |

## Manufacturer's Details

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|---|---|
| Name of Manufacturer: | B & D Australia Pty Ltd |
| Address of Manufacturer: | 34-36 Marigold Street, Revesby, NSW 2212 |

## Report and Test Details

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|---|---|
| Report Details: | Cyclone Testing Station Report No. TS914, dated 19 September 2013 |
| Report Title: | Simulated Wind Load Testing of 10/100 Roll-A-Shutter Doors |
| Test Regime: | AS/NZS 4505:2012 testing regime |

**Static Strength Result from test on a Full Width Door**

| Max. Pressure Applied*(kPa) | Nominal span (mm) | Loading Direction | Observations After Door Failure (unless noted otherwise) |
|---|---|---|---|
| 11.46* | 5000 | Outward | Door did not fail. Slats with no wind clips begun to bulge. After specimen removed no visible damage to wind clips. |

*This is the maximum pressure that was achieved and held by the test specimen for one minute.
Note that the test Specimen did not fail and was limited by the maximum capacity of the airbox test rig.

## Conditions of Use

1. Refer to Report No. TS914, (contact B & D Australia) for full details of the Roller Shutter installation, test methods and results;
2. These test results are based on legislation and standards that are current at the time of issue and may be subject to change. Therefore this Test Summary Sheet should be reappraised by the date noted.

Signed ..... ..... C. Leitch .....

Mr. S. J. Ingham
Engineer

Mr. C. J. Leitch
Senior Consulting Engineer
Authorised Signatory

Date ..... 19/9/13 ..... ..... 19-9-2013 .....

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