



**Cyclone Testing Station**  
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## TEST SUMMARY SHEET – TS917b (Original Issue 08/11/2013 – Updated Jun 2017)

Expiry Date of Test Summary Sheet: 30 June 2021 (See Note 2 below)

Cyclic simulated wind load strength testing was conducted on Windpanel Mk2 Sectional Doors. The testing was performed in 2013 with the use of new materials provided by B & D Australia Pty Ltd. The test regime used in 2013 is identical to that currently specified in 2017.

### Description of Sectional Door Assembly and Set-Up Tested

|                             |   |
|-----------------------------|---|
| Product Name:               | Windpanel Mk2 Sectional Doors   |
| Panel Dimensions:           | Roll formed G2NS grade steel, 0.60 mm BMT with panel height of 570 mm and width of 5,500 mm.  |
| Panel Stiles                | Two double stiles at each end of panel and one central stile. Internal stiles spaced at 650 mm centres from the central stile. Total 11 stiles per panel. Stiles are folded 'C' sections 65 × 50 mm with 12 mm lips               |
| Panel Battens:              | One 0.70 mm BMT, G550 steel, 70 mm high and 90 mm wide top hat section battens running along the panel width fixed to each stile of the door panel with two 14-14 × ¾" hexagonal washer head self-tapping steel screws per stile. |
| Hinges:                     | 190 × 70 mm and 1.8 mm thick cold rolled CA2S-G steel hinges one on each stile per panel.   |
| Hinge Screws:               | Total eight 14-14 × ¾" hexagonal washer head self-tapping steel screws per hinge.   |
| Brace Material              | 6.35 mm thick 6005-T5 aluminium alloy extrusion with rectangular hollow cross section 57 × 67 mm and four slotted channels on the outside of the 67 mm wide faces   |
| Brace Configuration         | 4 off braces with internal spacing of 1300 mm and clearance from guide track of 785 mm  |
| Floor Flange Material       | 3.42 mm thick G350 steel fabricated into a 'C' section 65 × 75 mm with 15 mm lips and one end having a square and two rectangular base sections folded out perpendicular.   |
| Top Bracket Material        | 6.35 mm thick steel plate 185 mm long, 50 mm wide and has four 9.5 mm holes and a folded outstanding lip 45 mm wide, 40 mm high with 15 mm internal gap.  |
| U-Bolt and plate Material   | 10 mm diameter, 3/8"-16 UNC threaded steel rods bent into a 'U' shape 254 mm long and 78 mm wide. Secured with four nuts and two plates 89 mm long, 25 mm wide and 3.5 mm thick with two 11 mm diameter holes                     |
| Deflection Bracket Material | 3.25 mm thick G350 steel 177 mm long, 38 mm wide with eleven 8 mm holes centrally along the length.   |

### Manufacturer's Details

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

### Report and Test Details

Report Details: Cyclone Testing Station Report No. TS917, dated 8 November 2013  
Report Title: Static and Cyclic Simulated Wind Load Strength Testing of Windpanel Mk2 Sectional Doors  
Test Regimes: Static and cyclic wind load testing to AS/NZS 1170.2:2011 in accordance with AS/NZS 4505:2012

### Recommended Limit State Design Wind Pressures

| Panel Width (mm) | No. Of Braces | Loading Direction | Recommended Non-Cyclonic Strength Limit State Design Wind Capacity (kPa) | Recommended Cyclonic Strength Limit State Design Wind Capacity (kPa) |
|------------------|---------------|-------------------|--|--|
| 5500             | 4             | Outward           | 6.04   | 6.04   |

### Conditions of Use

1. Refer to Report No. TS917, (contact B & D Australia) for full details of the Sectional Door installation, test methods and results;
2. These design capacities are based on legislation and standards that are stated above, but will only be applicable for these specified regimes if the products that are being currently manufactured are identical with regards to material properties, profile geometry etc, to those that were tested for the original test programme, as documented in the original report.

Signed

Mr. A. Leblais  
Engineer

Date

15/06/2017

Dr. D. Henderson  
Director

15/6/2017

