

**Cyclone Testing Station**  
College of Science and Engineering  
James Cook University  
Townsville Qld 4811 Australia

Telephone (07) 4781 4786  
Email: [jcu.cts@jcu.edu.au](mailto:jcu.cts@jcu.edu.au)  
[www.jcu.edu.au/cts](http://www.jcu.edu.au/cts)

**TEST SUMMARY SHEET – TS917 Part a (Original Issue 08/11/2013 – Latest update Apr 2025)**

**Expiry Date of Test Summary Sheet: 30 Jun 2026**

Static and cyclic strength simulated wind load testing was conducted on **Windpanel Mk2 Sectional Doors**. The testing was performed in 2013 with the use of new materials provided by **B&D Doors and Openers**. The test regimes used in 2013 are identical to that currently specified in 2025 and all manufacturing processes, materials and components are stated to be in **B&D Doors and Openers** specification. All tests were NATA accredited.

**Description of Sectional Door 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 specimen width of 3,100 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 of 9 stiles per panel.  
 Panel Battens: Two 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 × 3/4" 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 × 3/4" hexagonal washer head self-tapping steel screws per hinge.  
 Support Bracket Material: 2 mm thick G300 steel 80 × 68 mm with 38 mm folded lip.  
 Support Bracket Location: Placed on tracks in line with internal panel.

**Manufacturer's Details**

Name of Manufacturer: B&D Doors and Openers  
 Address of Manufacturer: 34 – 36 Marigold Street, Revesby NSW 2212

**Report and Test Details**

Report Details: Cyclone Testing Station Report No. TS917, dated 08 November 2013  
 Report Title: Static and Cyclic Simulated Wind Load Testing of Windpanel Mk2 Sectional Doors  
 Reappraised Test: AS/NZS 4505:2012 (incorporating Amendment No. 1) Reconfirmed 2017 clauses A 6.3.1 and A 6.3.2 for non-cyclonic and cyclonic regions, respectively  
 Regimes:

**Recommended Limit State Design Wind Pressures**

Panel Width (mm)	Support Bracket Installed	Loading Direction	Recommended Non-Cyclonic Strength Limit State Design Wind Capacity (kPa)	Recommended Cyclonic Strength Limit State Design Wind Capacity (kPa)
3100	No	Outward	5.36	-
3100	No	Inward	2.46	-
3100	Yes	Inward	2.92	2.92

**Conditions of Use**

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

Signed .....

Mr. R. Lowe  
Project Engineer

Mr. S. Ingham  
CTS Authorizing Signatory

Date .....



Accredited Laboratory Number 14937  
Accredited for compliance with ISO/IEC 17025 - Testing