

Cyclone Testing Station
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TEST SUMMARY SHEET – TS917 Part b (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 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 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)	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 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