

Cyclone Testing Station
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TEST SUMMARY SHEET – TS1026 Revision A part b (Original Issue 19/01/2016 – Latest update Apr 2025)

Expiry Date of Test Summary Sheet: 31 December 2026

Cyclic simulated wind load strength testing was conducted on **Panelift High Wind** Sectional Door. The testing was performed with the use of new materials provided by **B & D Garage Doors & Openers Pty Ltd**. The test regimes used in 2016 are identical to that currently specified in 2025 and all manufacturing processes, materials and components are stated to be in **B & D Garage Doors & Openers** specification. All tests were NATA accredited.

Description of Sectional Door and Set-Up Tested

Product Name:	Panelift High Wind
Panel Details:	Stated to be 0.60 mm BMT steel with panel height of 570 mm and specimen width 5,500 mm
Panel Stiles	Two double end stiles at each end of panel and one central stile. Internal stiles evenly spaced from central stile. Total of 6 internal stiles.
Panel Battens:	One 0.55 mm TCT 70 mm high and 90 mm wide running along the panel width and fixed to each panel door stile with two 14-20 × 25 mm self-drilling metal screws, one screw in each batten foot.
Hinges:	Plastic support segments inserted into lips of panel and fixed in place at stile locations. Plastic interlocking segment joins adjacent panels and fixed in place with two plastic pins through the support segments.
Wind Clips:	G450 Steel 150 mm wide and 235 mm long in elevation with hook section 25 mm high. TCT of 2.98 mm. Fixed to internal face of panel with 8 off 14-20 × 25 mm self-drilling metal screws (6 on batten feet and 2 on stile)
Guides:	Vertical track, angled track bracket, top angled bracket and spacer plate fixed together with bolts.
Trolley Wheels:	48 mm diameter nylon on an 11 mm diameter axle approximately 235 mm long. Inserted into hinge pins.

Manufacturer's Details

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

Report and Test Details

Report Details: Cyclone Testing Station Report No. TS1026 Revision A, dated 19 January 2016
Report Title: Cyclic Simulated Wind Load Strength Testing of Panelift High Wind Sectional Door
Reappraised Test: Cyclic wind loading to *AS/NZS 4505:2012 (incorporating Amendment No. 1)*
Regimes: *Reconfirmed 2017 clause A 6.3.2*

Recommended Limit State Design Wind Pressures for Inward Loading

Nominal Panel Width (mm)	Loading Direction	Target Ultimate Load Test Pressure P_t (kPa)	Actual Test Pressure P_t Held For One Minute (kPa)	Results and Observations
5,500	Outward	4.04	4.04	Pass: Panels buckled across entire height of specimen at approximately 1.20 kPa. Specimen has resisted all loading cycles.

Conditions of Use

- Refer to Report No. TS1026 Revision A, (contact B & D Garage Doors & Openers) for full details of the Sectional Door installation, test methods and results;
- 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. S. Ingham
CTS Authorizing Signatory

Mr. R. Lowe
Project Engineer

Date



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