



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

Telephone (07) 4781 6676
Facsimile (07) 4781 6788
Email: jcu.cts@jcu.edu.au
www.jcu.edu.au/cts

TEST SUMMARY SHEET – TS917a (Original Issue 08/11/2013 – Updated Jun 2017)

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

Static and 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 regimes used in 2013 are 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 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 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)	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 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

