

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

Telephone (07) 4781 4722
Email: jcu.cts@jcu.edu.au
www.jcu.edu.au/cts

TEST SUMMARY SHEET – TS1067 Revision A Part b (Last updated June 2025)

Expiry Date of Test Summary Sheet: 31 December 2027

Cyclic simulated wind load strength testing was conducted on **Series 3 Roll-A-Door®** Roller Door. The testing was performed with the use of new materials provided by **B&D Garage Doors & Openers**.

Description of Roller Door and Set-Up Tested

- Product Name: Series 3 Roll-A-Door®
- Curtain Material: Stated to be 0.50 mm BMT COLORBOND ZALG300S2 steel.
- Curtain Profile: Curved rib/pan profile sheets with nominally 28 mm wide ribs that are nominally 15 mm high and spaced at nominally 84 mm centres.
- Curtain Details: Curtains had a flat G550 Z275 Hi-Ten steel strip, nominally 38 mm wide and 0.55 mm BMT thick on the external face covering the entire height along the edge of the door curtain. Polypropylene “Slide Clips” were fitted at each rib.
- Windlock clips: Steel flat specified as nominally 38 mm wide and 1.8 mm thick with a nominally 20 mm long ‘Hook’ folded at an angle of nominally 55°.
- Windlock Clip Fixing: Each clip fixed to the curtain flats (pans) using two steel-steel rivets (73-SS-64) onto every flat of the curtain (nominally 84 mm centres), excluding flats (pans) containing a join.
- Guide Details: Nominally 4 mm thick Aluminium extrusion, nominally 122 mm wide and 52 mm high. Fixed to supports with M10 bolts through rear leg of guide at 150 mm centres along guide.
- Windlock Clip Set-up: Windlock Clip ‘Hooks’ set-up to be in the cavity of the guide with nominally 9 mm Pull-in to each guide.

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. TS1067 Revision A, dated 4 August 2017
- Report Title: Simulated Wind Load Strength Testing of Series 2 and Series 3 Roll-A-Door®
- Reappraised Test: AS/NZS 4505:2012 (incorporating Amendment No. 1) Reconfirmed 2017 clause A 6.3.2 for cyclonic regions
- Regimes: cyclonic regions

Recommended Limit State Design Wind Pressures

Nominal Curtain Width (mm)	Stated Curtain Base Metal Thickness (mm)	Locking Plate c/c Spacing (mm)	Loading Direction	Recommended Cyclonic Ultimate Strength Design Wind Capacity (kPa)
5,500	0.5	84	Outward	2.89
5,000	0.5	84	Outward	3.12
3,000	0.5	84	Outward	4.18

Conditions of Use

- Refer to Report No. TS1067 Revision A, (contact B&D Garage Doors & Openers) for full details of the Roller 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