



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

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

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 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 Doors & Openers
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®
Test Regimes: Cyclic wind load to AS/NZS 4505:2012 clause A6.3.2

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 Doors & Openers) for full details of the Roller Door installation, test methods and results;
- These test results are based on legislation and standards that are current at the time of issue and may be subject to change. Therefore this Test Summary Sheet should be reappraised by the date noted.

Signed

Mr. S. J. Ingham
Senior Engineer

Date

4-8-2017

Dr. D. Henderson
Director

Authorised Signatory

4/08/2017

