

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 – TS1316

Reappraisal Date of Test Summary Sheet: 31 December 2027 (See Note 2 below)

Cyclic simulated wind load strength testing was conducted on **Series 1 Rolling Door**. The testing was performed with the use of new materials provided by **B&D Group Doors & Openers Pty Ltd**.

Description of Roller Door and Set-Up Tested

- Product Name: Series 1 Rolling Door
 Door Curtain Material: Stated to be 0.4 mm BMT COLORBOND ZALG300S2 steel
 Door Curtain Profile: Trapezoidal rib/pan profile to form continuous curtain. Ribs 15 mm high and approximately 82 mm apart.
 Wind Clips: 2.5 mm external G300 Z275 Galvanized mild steel segment with two engaging flats. 2 mm internal G300 Z275 Galvanized mild steel segment with two engaging hook features.
 Wind Clip Fixing: One Steel-Steel Rivet 6.4 mm by 13 mm securing both external and internal clip segments
 Wind Clip Spacing: Fixed to every second pan along both edges of the curtain sheet plus one additional wind clip in the central sheet pan. Seven wind clips per sheet per side.
 Guide Track: 6005-T5 aluminium extrusion with ‘U’ shape and about 90 mm with 27 mm opening at rear of web. Fixed to supports at 500 mm centres with M10 bolts. Lips on each edge of opening to engage with external and internal wind clip segments.
 Installation: Curtain installed in guides with 5 mm end float, total for both sides. Measured between the edges of the curtain and internal face of guide.

Manufacturer’s Details

Name of Manufacturer: B&D Group 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. TS1316, dated 08 December 2023
 Report Title: Cyclic Simulated Wind Load Strength Testing of Series 1 Rolling Door
 Test Regimes: Cyclic wind load to AS/NZS 4505:2012 (Incorporating Amendment 1) Reconfirmed 2017 clause A6.3.2

Recommended Limit State Design Wind Pressures

Nominal Curtain Width (mm)	Qty of Wind Clips per Sheet per Side	Loading Direction	Recommended Cyclonic Ultimate Strength Design Wind Capacity (kPa)
3,150	7	Outward	3.40
3,150	7	Inward	3.20

Conditions of Use

- Refer to Report No. TS1316, (contact B&D Group 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. Ingham
CTS Authorizing Signatory

Mr. R. Lowe
Project Engineer

Date



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