

**Cyclone Testing Station**  
 School of Engineering and Physical Sciences  
 James Cook University  
 Townsville Qld 4811 Australia

Telephone (07) 4781 4754  
 Facsimile (07) 4781 6788  
 Email: jcu.cts@jcu.edu.au  
 www.jcu.edu.au/cts

## TEST SUMMARY SHEET – TS894 Revision A

Reappraisal Date of Test Summary Sheet: 30 June 2017 (See Note 2 below)

Static and Cyclic strength simulated wind load testing was conducted on **Series 1 Roll - A - Door®**. The testing was performed with the use of new materials provided by **B & D Doors & Openers**. All tests were NATA accredited.

### Description of Insulated Panels and Set-Up Tested

Product Name: Series 1 Roll - A - Door®  
 Door Curtain Material: 0.4 mm BMT COLORBOND ZALG300S2 steel  
 Door Dimensions: 2040 mm high and multiple span width  
 Door Curtain Profile: Trapezoidal rib/pan profile to form continuous curtain 2040 mm high. Ribs 15 mm high and 41 mm wide at top (external) face; rib pitch approximately 82 mm  
 Wind Locks: 16 mm x 23 mm rectangular base, "T" shaped aluminium extrusion; 2.5 mm by 1.5 mm raised centre section  
 Wind Lock Fixing: Each wind lock plate riveted to door curtain with two stainless steel rivets  
 Wind Lock Spacing: Every rib for blow in and every pan excluding pans with joins for blow out  
 Guide Track: Aluminium extrusion with overall 90 mm base with 27 mm opening for door curtain; ridges at either edge of opening for wind clips to engage

### Manufacturer's Details

Name of Manufacturer: B & D 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.TS894 Revision A, dated 06 June 2013  
 Report Title: Simulated Wind Load Testing of Series 1 Roll - A - Door®  
 Test Regime: AS/NZS 4505:2012

Curtain Width (mm)	Loading Direction	Recommended Non-Cyclonic Ultimate Strength Design Wind Capacity (kPa)
2300	Outward	5.80
3150		4.28
	Inward	2.53

Curtain Width (mm)	Loading Direction	Recommended Cyclonic Ultimate Strength Design Wind Capacity (kPa)
2300	Outward	3.26
3150		3.26

### Conditions of Use

- Refer to Report No.TS894 Revision A, (contact B & D Doors & Openers) for full details of the cladding installation, test methods and results;
- These design capacities 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  
 Engineer

Date .....

6/6/2013

C. Leitch

Mr. C. J. Leitch  
 Senior Consulting Engineer  
 Authorized Signatory

6-6-2013