TEST SUMMARY SHEET – TS1001
Expiry Date of Test Summary Sheet: 30 June 2023 (See Note 2 below)

Static and cyclic simulated wind load strength testing and cyclic simulated component testing was conducted on 10/100 Roll-A-Shutter. The testing was performed with the use of new materials provided by B & D Garage Doors Australia.

Description of Product Type and Set-Up Tested

Product Name: 10/100 Roll-A-Shutter
Shutter Slat Details: Stated to be 1.0 mm BMT steel with height of 110 mm and cover height of 100 mm
Slat Profile: Flat front face with adjacent slats interlocking to form continuous curtain.
Wind Locks: Fitted to every 2nd slat to both ends (wind lock spacing 210 mm). 70 x 15 mm steel plate with a 22 mm upturned lip 10 mm thick at the top and reducing to approximately 6 mm at the base of the lip. Fixed to slats with 5 off huck bolts per wind lock per slat.
Guides: 3.0 mm BMT steel formed into a channel that accommodates wind lock.
Guide Lugs: 50 x 20 mm “L” shaped bracket 50 mm wide and 5 mm thick
Supports: 100 x 200 mm by 10 mm thick unequal angle mild steel beams. Note strength not being evaluated in this testing programme.
Installation: Guides bolted to supports using M10 bolts (grade 12.9) fitted through the guide lugs. Note the strength of these bolts was not being evaluated in this testing programme.

Manufacturer’s Details
Name of Manufacturer: B & D Garage Doors Australia
Address of Manufacturer: 34-36 Marigold Street, Revesby NSW 2212

Report and Test Details
Report Title: Static and Cyclic Simulated Wind Load Strength Testing of 10/100 Roll-A-Shutter
Appraised Test Regimes: Static and Cyclic simulated wind load testing to AS/NZS 4505:2012 clause A6.3.1, A6.3.2

Test Results (Note these are not design capacities, refer to AS/NZS 4505:2012)

<table>
<thead>
<tr>
<th>Nominal Shutter Opening (mm)</th>
<th>Shutter Base Metal Thickness (mm)</th>
<th>Loading Direction</th>
<th>Static Pressure Held for 1 minute (kPa)</th>
<th>Cyclic Target Test Load</th>
</tr>
</thead>
<tbody>
<tr>
<td>5000</td>
<td>1.0</td>
<td>Inward</td>
<td>11.69*</td>
<td>10.00 kPa</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Outward</td>
<td>8.25</td>
<td>N/A</td>
</tr>
<tr>
<td>1 slat nominally 300 mm</td>
<td>1.0</td>
<td>Outward at 8 degrees</td>
<td>N/A</td>
<td>28.5 kN</td>
</tr>
</tbody>
</table>

*maximum capacity of test rig reached

Conditions of Use
1. Refer to Report No. TS1001, (contact B & D Garage Doors Australia) for full details of the Product Type installation, test methods and results;
2. 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
Senior Engineer

Date 12/4/2019

Mr. J. Doolan
Director

Date 12/4/19