



Cyclone Testing Station
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TEST SUMMARY SHEET – TS809

Reappraisal Date of Summary of Test Results Sheet: 30 June 2015 (See Note 3 below)

Simulated wind driven debris impact testing was conducted on **ForceField** window screens. The testing was performed with the use of new materials provided by **Prowler Proof**.

Description of Screen and Set-Up Tested

- Product Name: ForceField
- Screen Assembly: Mesh mounted in aluminium perimeter frame with synthetic compound and 10 mm edge cover
- Screen Mesh: 316 marine grade stainless steel of 0.8 mm thickness woven at 11/10.5 strands/inch
- Screen Height: 2525 mm overall with 2460 mm daylight opening
- Screen Width: 900 mm overall with 835 mm daylight opening
- Support Frame: Double 70 x 35 mm MGP 12 timber
- Screen Fasteners: 4.5 x 60 mm pan head timber screws, spaced 303 mm vertically and 266 mm horizontally

Client's Details

Name of Client: Prowler Proof
Address of Client: PO Box 237, Banyo, QLD 4014

Report and Test Details

Report Details: Cyclone Testing Station Report No. TS809, dated 5 May 2011
Report Title: Simulated Windborne Debris Impact Testing of ForceField Window Screen
Impact Testing: Testing to Clause 2.5.7 of AS/NZS1170.2:2011


Test Results

Impact Location	Missile	Measured Velocity (m/s)	Result
Corner	4 kg timber with 100 x 50 mm cross-section	18.1	Pass. No penetration.
Centre		22.3	Pass. No penetration. Deflection under impact 180 mm.
Centre		28.8	Pass. No penetration. (Deflection not measured).
Various	5 x 2 g steel spheres with 8 mm diameter	41.2, 46.5, 48.8, 49.4, 48.8	Pass. No penetration.

Conditions of Use

- Test results are only applicable for materials and test geometries used;
- Refer to Report No. TS809, (contact Prowler Proof) for full details of the specimen, test methods, acceptance criteria 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. U. Frye
Senior Engineer


Mr. C. J. Leitch
Manager

Date 5-5-2011

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