

Ref: ST0781

Action Fasteners Pty Ltd
 12 Schofield Street
 Riverwood
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 Australia

Attention Gary Hollis

2 June 2009

Dear Gary

I confirm that we have recently completed a series of cyclonic tests on your StormTite fasteners. The tests are fully described in BRANZ Test Report ST0781, but for brevity, the key results are as follows:

The testing was carried out (using a pressure box) in accordance with the Low-High-Low sequence as defined by AS/NZS 1170.2, and modified by BCA2008 Specification B1.2. Roof sheeting used was Corrugated and Trapezoidal (Trimdek) profiles of 0.42 mm (BMT) G550 Zinalume steel, supplied by BlueScope. Corrugated sheets were fixed at alternate crests, and Trapezoidal sheets on every rib.

Test results are summarised below:

| Test: | 1 | 2 | 3 | 4 | 5 | 6 |
|-------------------------|--------------|----------------|----------------|----------------|----------------|----------------|
| Product: | Trap type 17 | Corr type 17 | Corr 50mm | Trap 65mm | Corr 65mm | Trap 65mm |
| Purlin spacing (m): | 3.0 | 3.0 | 3.0 | 3.0 | 2.1 | 2.17 |
| Pt (kPa): | 1.50 | 1.2 | 1.5 | 1.2 | 2.0 | 1.66 |
| BCA2008 sequence | | | | | | |
| Block | No of Cycles | Pressure (kPa) | Pressure (kPa) | Pressure (kPa) | Pressure (kPa) | Pressure (kPa) |
| A | 4500 | 0.68 | 0.54 | 0.68 | 0.54 | 0.90 |
| B | 600 | 0.90 | 0.72 | 0.90 | 0.72 | 1.20 |
| C | 80 | 1.20 | 0.96 | 1.20 | 0.96 | 1.60 |
| D | 1 | 1.50 | 1.20 | 1.50 | 1.20 | 2.00 |
| E | 80 | 1.20 | 0.96 | 1.20 | 0.96 | 1.60 |
| F | 600 | 0.90 | 0.72 | 0.90 | 0.72 | 1.20 |
| G | 4500 | 0.68 | 0.54 | 0.68 | 0.54 | 0.90 |

Design pressures to be used, in cyclonic regions C and D of AS/NZS 1170.2, are as follows:

| Screw type | Point | Profile | Purlin spacing (m) | Design pressure (kPa) |
|------------|---------------------------------|-------------|--------------------|-----------------------|
| Storm-Tite | Timber drilling (Type 17) | Trapezoidal | 3.0 | 1.15 |
| Storm-Tite | Timber drilling (Type 17) | Corrugated | 3.0 | 0.92 |
| Storm-Tite | Steel drilling (5mm dia) | Corrugated | 3.0 | 1.15 |
| Dual-Point | Steel/timber drilling (2mm dia) | Trapezoidal | 3.0 | 0.92 |
| Dual-Point | Steel/timber drilling (2mm dia) | Corrugated | 2.1 | 1.62 |
| Dual-Point | Steel/timber drilling (2mm dia) | Trapezoidal | 2.17 | 1.29 |

Yours faithfully



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