## IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1), THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.



# 6.0mm 'DURALUX' Fibre Cement lining

## EXTERNAL SOFFIT LINING (Flush Jointing)

**BGC** Fibre Cement (Australia) Pty Ltd

121 Bannister Road Canning Vale WA 6155, Australia Postal Address: PO Box 1408, Canning Vale WA 6970

1. REGION 'C' WIND LOADING TO AS / NZS 1170.2:2011 Structural Design Actions Part 2 - Wind Actions (incl. Amdt 1,2,3 & 4) 2. Limit State design pressures were determined in accordance with AS / NZS 1170.2:2011 Structural Design Actions Part 2 - Wind Actions (incl. Amdt 1,2,3 & 4) using shielding, topographic, combination, dynamic

1. BGC External soffit lining to be painted to BGC specifications.

2. Ceiling space has been designed for zero internal pressure or -0.2 (pressure coefficient) for sealed structure.

3. Domestic housing up to 5 meters high ( $h \le 5m$ )

4. 6mm 'Duralux' is an external soffit lining subject only to external pressure and suction loadings. Internal linings competent to resist

internal design pressures must be installed. The racking strength of Duralux has not been tested and therefore should not be allowed for in

5. The building aspect ratio (r) of the structure to be  $\leq 1$ . If r >1 further checks of additional local pressures to be carried out by a fully qualified structural engineer. r is defined as the average roof height divided by

6. Testing was conducted for negative (suction) pressures only.

Comparison has only been made between these values and the negative ULS values which are deemed to govern.

7. A material capacity reduction factor of 0.8 was applied to the test capacity pressures nominated in the table to calculate the test pressures (Pt) used during the proof testing, which was carried out by Cyclone Structural Testing Station (James Cook University).

M 831
ignature: Rusel
lame: Peto-Russell
oval: 78-9-17 Expiry Date: 28-9-22