



**TYPICAL CEILING PLAN**

Dimension 'a' is minimum 0.2 x 'b', 0.2 x 'd' or height of soffit above ground

**LOCAL PRESSURE AREAS**

- A - general areas away from building corners
- B - from  $\frac{a}{2}$  to 'a' from building corners
- C - up to  $\frac{a}{2}$  from building corners

**TYPICAL 6mm 'DURASHEET' FIXING DETAILS**

CARPORT, VERANDAH AND EAVES (SOFFIT) LINING REQUIREMENTS				
TERRAIN CATEGORY	LOCAL PRESSURE AREA	ULTIMATE LIMIT STATE (w <sub>e</sub> ) PRESSURE (kPa)	STUD/BATTEN SPACING (mm)	FASTENER SPACING (mm)
1 & 2	A	1.72	450	200
	B	2.59	450	150
	C	3.4	300	150
2.5	A	1.46	450	200
	B	2.29	450	200
	C	2.93	450	150
3.0	A	1.22	450	200
	B	1.83	450	200
	C	2.45	450	150

**DESIGN NOTES**

6mm 'Durasheet' is an external wall cladding subject only to external pressure and suction loadings. Internal linings competent to resist internal design pressures must be installed. The racking strength of Durasheet has not been tested and therefore should not be allowed for in the design of a structure. Limit State design pressures were determined in accordance with AS 1170 Part 2, 1983 using shielding, topographic and structural importance multipliers equal to 1.0. A material capacity reduction factor of 0.8 has been used for proof testing, which was carried out by Cyclone Structural Testing Station (James Cook University).

**CONSTRUCTION NOTES**

'Durasheet' shall be fastened to a steel subframe in accordance with the support and fastener spacings tabulated above. Fasteners shall be fixed 12mm minimum from sheet edges and 50mm minimum from sheet corners. All sheet edges and joints must be supported by steel framing. Fasteners to steel supports from 0.75mm B.M.T. to 1.2mm B.M.T. shall be 'Buildex' or similar 8 or 10 Gauge type 17 thread self-drilling screws. Fasteners to steel supports from 1.2mm B.M.T. to 1.6mm B.M.T. shall be 'Buildex' or similar 10 Gauge Tekes. Exposed 'Durasheet' cladding must be painted. Durasheet shall not be fixed to steel frames with a typical B.M.T. greater than 1.6mm.

<b>MANUFACTURER</b> <b>BGC Fibre Cement</b> BGC (Australia) Pty Ltd 121 Bannister Road, Canning Vale Western Australia 6155 Telephone (08) 9344 4900 ACN 005 736 005		<b>6mm 'DURASHEET'</b> <b>EXTERNAL SOFFIT CLADDING</b> <b>DESIGN DATA SHEET</b>	
CERTIFIED <i>Scott Wilson</i> DATE <b>12-8-97</b>	<b>Scott Wilson</b> <b>Irwin Johnston</b> Consulting Engineers	DARWIN CYCLONIC AREA APPROVED <i>[Signature]</i> DATE <b>24-10-97</b>	DRG. No. <b>M/222/2</b>