



TYPICAL CEILING PLAN

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

TYPICAL 6mm 'DURASHEET & DURALUX' FIXING DETAILS

LOCAL PRESSURE AREAS

- A – general areas away from building corners
- B – from 'a'/2 to 'a' from building corners
- C – up to 'a'/2 from building corners

CARPORT, VERANDAH AND EAVES (SOFFIT) LINING REQUIREMENTS				
TERRAIN CATEGORY	LOCAL PRESSURE AREA	ULTIMATE LIMIT STATE PRESSURE	STUD/BATTEN SPACING (mm)	FASTENER SPACING (mm)
1 & 2	A	1.72	450	200
	B	2.59	450	150
	C	3.45	300	150
2.5	A	1.46	450	200
	B	2.19	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' and 'Duralux' 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' and 'Duralux' 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 AS1170 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' and 'Duralux' 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. 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 Tek's. Exposed 'Durasheet' and 'Duralux' cladding must be painted. 'Durasheet' and 'Duralux' shall not be fixed to steel frames with a typical B.M.T. greater than 1.6mm

MANUFACTURER BGC Fibre Cement BGC (Australia) Pty Ltd 121 Bannister Road, Canning Vale Western Australia 6155 Telephone (08) 9334 4900 ACN 005 736 005		6mm 'DURASHEET' AND 'DURALUX' EXTERNAL SOFFIT CLADDING	
DESIGN DATA SHEET			
CERTIFIED 	DARWIN CYCLONIC AREA		DRG No. M/2271
DATE 15.6.00	APPROVED 	DATE 7.12.00	

3/5/2001