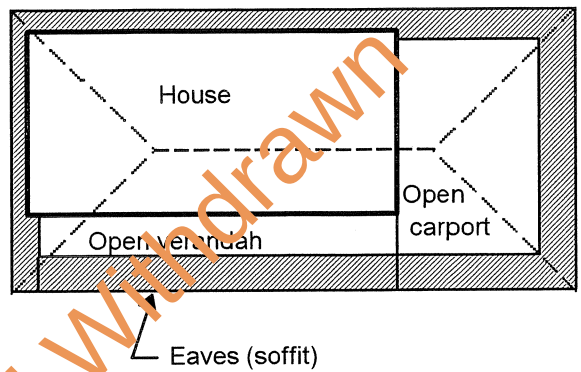
**Table 1**

**Specifications for MastaBoard/Cement**

| Wind Classification | Ult. Limit State Wind Speed (m/s) | Carport, verandah and eaves lining | | | |
|---|---|---|---|---|---|
| | | Body of roof plan (Area not hatched) | | Within 1200 mm of roof edge (Hatched area) | |
| | | Batten spacing (mm) | Fixing spacing (mm) | Batten spacing (mm) | Fixing spacing (mm) |
| C2 | 61 | 450 | 200 | 450 | 200 |
| C3 | 74 | 450 | 200 | 300 | 150 |
| C4 | 86 | 450 | 200 | 300 | 150 |




**CONSTRUCTION NOTES:**

- MastaBoard/Cement shall be fastened to the subframe in accordance with batten and fastener spacings listed in Table 1, for areas within 1200 mm of roof edges and for other areas.
- Fasteners shall be fixed 12 mm minimum from sheet edges and 50 mm minimum from sheet corners.
- All edges and joints must be supported by framing.
- Fixing to 0.6 to 1.6 mm thick steel frame shall be with 8 x 20 mm screws with self embedding heads, and to hardwood timber frames with 30 x 2.8 mm galvanised flat head nails.
- MastaBoard/Cement shall not be fixed to steel frames having typical BMT greater than 1.6 mm.
- Exposed MastaBoard/Cement cladding must be painted.

**DESIGN NOTES:**

- Wind classifications C1 to C4 are as defined in Table 2, extracted from AS 4055-1992. Regions, terrain categories and topographic classisifations are defined in that standard.
- Pressure coefficients used in determining batten spacings and fixing details are in accordance with Appendix B of that standard.
- Internal linings, sufficient to resist internal design pressures, shall be used in conjunction with 6mm MastaBoard/Cement.
- Performance specifications given in Table 1 are based on prototype tests conducted at the Cyclone Structural Testing Station, James Cook University, Townsville, and incorporating a material capacity reduction factor ($\phi$) of 0.8.



**Table 2 Wind Classifications for Region C (from AS 4055)**

(Note: Minimum classification for Darwin Area is C2)

| Region | Terrain Category | Topographic classification | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | T1 | | | T2 | | | T3 | | | T4 | | | T5 | | |
| | | FS | PS | NS | FS | PS | NS | FS | PS | NS | FS | PS | NS | FS | PS | NS |
| C | 3 | C1 | C1 | C2 | C2 | C2 | C2 | C2 | C2 | C3 | C3 | C3 | C3 | C3 | C4 | C4 |
| | 2.5 | C1 | C2 | C2 | C2 | C2 | C3 | C2 | C3 | C3 | C3 | C4 | C4 | C3 | C4 | C4 |
| | 1 or 2 | C2 | C2 | C2 | C2 | C3 | C3 | C3 | C3 | C4 | C3 | C4 | C4 | C4 | NA | NA |

FS: Full Shielding, PS: Partial Shielding, NS: No Shielding, NA: Not Applicable

MastaBoard/Cement manufactured by
**BGC Fibre Cement** for LaFarge
BGC (Australia) Pty Ltd
121 Bannister Road, Canning Vale
Western Australia 6155
Telephone (08) 9334 4900 ACN 005 736 005

**6mm 'MASTABOARD/CEMENT' EXTERNAL SOFFIT CLADDING**

**DESIGN DATA SHEET**

Cyclone Structural Testing Station
School of Engineering,
James Cook University
Townsville, QLD 4811

Certified:
Date: 14-6-02

Northern Territory Government
Dept. of Infrastructure, Planning and Environment
Building Advisory Services

Approved:
Date 27-6-02

Dwg No
M/222/5

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