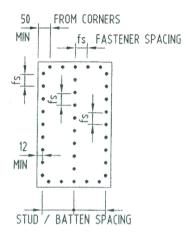


from building frners (x 2.0) - ve



TYPICAL 6mm 'DURASHEET FIXING DETAILS

|                     |                        | WALL CLADDING                          | REQUIREMENTS (REGION        | l ()                     |                                   |
|---------------------|------------------------|--|-----------------------------|--------------------------|-----------------------------------|
| TERRAIN<br>CATEGORY | LOUAL PRESSURE<br>AREA | ULTIMATE LIMIT STATE<br>PRESSURE (kPa) | STUD/BATTEN<br>SPACING (mm) | FASTENER<br>SPACING (mm) | TESTED CAPACITY<br>PRESSURE (kPa) |
|                     | A                      | 2.30                                   | 450                         | 150                      | 2.90                              |
| 120                 | В                      | -2.59                                  | 450                         | 150                      | 2.90                              |
|                     | C                      | -3.40                                  | 300                         | 150                      | 4.27                              |
|                     | A                      | 1.95                                   | 450                         | 200                      | 2.19                              |
| 2.5                 | В                      | -2.19                                  | 450                         | 200                      | 2.19                              |
|                     | (                      | -2.93                                  | 450                         | 150                      | 2.90                              |
| 3.0                 | , A                    | 1.63                                   | 450                         | 200                      | 2.19                              |
|                     | В                      | -1.83                                  | 450                         | 200                      | 2.19                              |
|                     | C                      | -2.45                                  | 450                         | 150                      | 2.90                              |

## 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 1.6mm B.M.T. shall be 'Buildex' or similar M5 Countersunk Ribbed Head self-drilling screws.

Exposed 'Durasheet' cladding must be painted.

For fixing 'Durasheet' to built in mullions in steel stud walls up to 3.0mm thick use 'Buildex' WingTeks 10-16 CSK RIB

Test Reports

Name: PHIL GARDINER

Date: Signature

irwinconsuit .13./.12./2010

\*Certifying Engineers Certification

Name: **NEIL WILLIAM CLARKE** 

NT Registration Number: 18235ES

irwinconsult 82 Smith Street Darwin 080i t +61 8 8980 5900 f +61 8 8981 4010

**Product Name** 

# 6.0mm 'DURASHEET' Fibre Cement Cladding

**Product Description** 

# **EXTERNAL WALL CLADDING**

### Manufacturer's Name

## BGC Fibre Cement (Australia) Pty Ltd

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

### Design Criteria

REGION 'C' WIND LOADING TO AS / NZS 1170,2:2002

### **DESIGN NOTES**

Limit State design pressures were determined in accordance with AS/NZS 1170.2:2002 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).

## Limitations

- These tables only apply to fixing to steel supports.
- BCG External cladding to be painted to BCG specifications.
- Internal pressures to be resisted by internal cladding and not 'Durasheet'
- Wall panels to be 2700 max height.
- Domestic housing up to 5 meters high. (h=5m)
- 6. 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.

# **Accepted for Inclusion**

DTCM ref:

Chairman's Signature:

Chairman's Name:

SHOWEN J -EHRLICH

10 Expiry Date: 16/12/ Date of Approval: 16/12

> New Expiry Date 16/12/15 Signature .

Cyclic pressure test carried out at JCU Cyclone Structural Testing Station.

Report TS486 dated 19/05/1997

\*Design Engineers Certification

NT Registration Number:

82 Smith Street Darwin 6800 t +61 8 8980 5900 f +61 8 8981 4010

Signiture