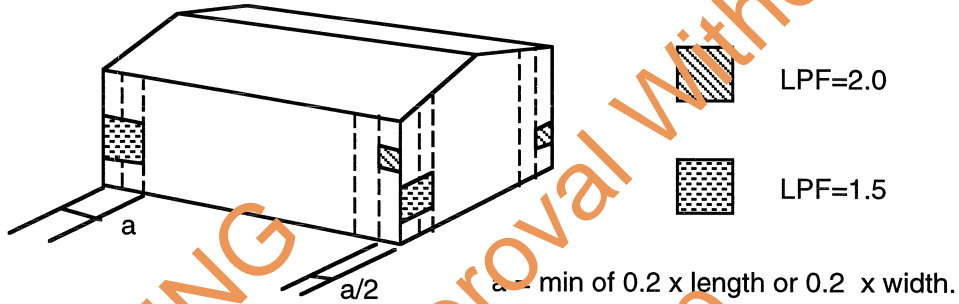
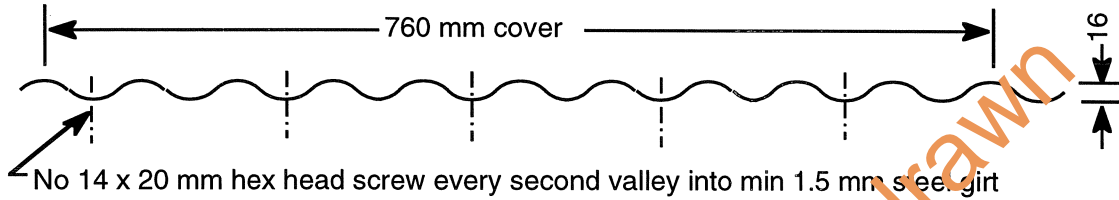


22/12/98

ALLOWABLE SPANS FOR 0.42 mm BMT CORRUGATED WALL CLADDING



LPF=2.0

LPF=1.5

Table 1 Maximum Allowable Spans (mm)

| Terrain Category | Int. Pressure Coeff. | Local Pressure Factor | Design Pressure (kPa) | Maximum Spans (mm) | |
|------------------|----------------------|-----------------------|-----------------------|--------------------|----------|
| | | | | end | internal |
| 2.5 | 0.0 | 1.0 | 1.0 | 1800 | 2200 |
| | | 1.5 | 1.5 | 1730 | 2110 |
| | | 2.0 | 1.9 | 1610 | 1960 |
| 2.5 | +0.7 | 1.0 | 2.0 | 1580 | 1930 |
| | | 1.5 | 2.5 | 1370 | 1670 |
| | | 2.0 | 3.0 | 1030 | 1260 |
| 1 & 2 | 0.0 | 1.0 | 1.1 | 1800 | 2200 |
| | | 1.5 | 1.7 | 1670 | 2040 |
| | | 2.0 | 2.3 | 1460 | 1780 |
| 1 & 2 | +0.7 | 1.0 | 2.4 | 1420 | 1730 |
| | | 1.5 | 2.9 | 1120 | 1370 |
| | | 2.0 | 3.5 | 760 | 930 |

- Notes:
- 1 For 0.42 mm base metal thickness, G 550 wall cladding fixed every second valley.
 - 2 Design parameters: For walls up to 5m high. $V_p = 57\text{m/s}$, Terrain category 2.5, $M_z, \text{cat} = 0.88$, Terrain Category 2, $M_z, \text{cat} = 0.95$, $C_{pe} = -0.65$, $C_{pi} = 0.0$ or $+0.7$.
 - 3 For intermediate values of span, linear interpolation between like parameters is permitted.
 - 4 Designers must not use this cladding to provide bracing.

Table 2 Design Wind Pressure* (kPa)

| End Spans (mm) | | | | Internal Spans (mm) | | | | |
|----------------|------------|------------|------------|---------------------|------------|------------|------------|------------|
| 600 | 900 | 1200 | 1800 | 750 | 900 | 1200 | 1800 | 2200 |
| 4.8 | 3.2 | 2.8 | 1.2 | 4.6 | 3.6 | 3.1 | 2.2 | 1.2 |

* Design wind pressures are based on end span cyclic load tests conducted in accordance with the requirements of EBS Technical Record 440.

| | | |
|---|---|--|
| <p>Stramit Industries 55 Albatross St Winnellie NT Phone (08) 8947 0780</p> | <p>0.42 mm BMT Corrugated Wall Cladding for walls up to 5m high</p> <p style="text-align: center;">DESIGN DATA SHEET</p> | |
| <p>Cyclone Structural Testing Station School of Engineering, James Cook University, Townsville Qld 4811</p> | <p>N T Dept of Lands Planning & Environment Building Advisory Serv Branch</p> | <p>Dwg No. M/224/1</p> |
| <p>Certified <i>[Signature]</i> MIE Aust. CP Eng. Date: 27-11-98</p> | <p>Approved: <i>[Signature]</i> Date: 17-12-98</p> | |