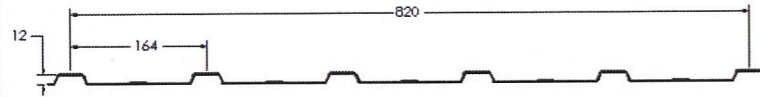


IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1) THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA.

Profile



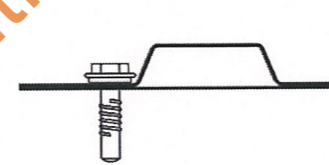
STRAMIT LO-CLAD™ WALL RECOMMENDED FASTENINGS (CYCLONIC FIXING)	
STEEL 0.75mm thick	No 14 - 10 x 20mm Hex Head Type 17 screws + sealing washer
STEEL ≥ 1.5mm thick	No 14 - 10 x 20mm Hex Head Self-drilling and tapping screw + sealing washer
TIMBER	No 14 - 10 x 25mm Hex Head type 17 screws + sealing washer
SIDE LAPS	No 8 - 15 x 15mm Hex Head screw + sealing washer for spans exceeding 1200mm

All fastening screws should conform to AS3566 - class 4 or above.

Fastener locations



Pan fixing detail



Span tables

STRAMIT LO-CLAD™ WALL CLADDING MAXIMUM SPAN CHART (mm)							
Pan fixed wall sheeting - five fasteners per sheet							
TC	h	local press. factor	pressure (kPa)		Spacing of Timber Battens / 0.75mm Cyclonic Steel Battens		
			service	strength	internal	equal	double
1&2	≤ 10m	1.0	1.41	4.84	900	850	800
		1.5	1.95	6.00	800	750	700
		2.0	2.49	7.17	700	650	550
1&2 2.5	≤ 5m	1.0	1.24	4.25	1000	900	850
		1.5	1.72	5.28	850	800	750
		2.0	2.19	6.30	750	700	650
2.5 3&4	≤ 10m	1.0	0.85	2.69	1250	1150	1100
		1.5	1.18	3.62	1100	1050	950
		2.0	1.50	4.52	1000	900	850
3&4	≤ 5m	1.0	0.78	2.66	1350	1250	1150
		1.5	1.06	3.30	1150	1100	1000
		2.0	1.37	3.94	1050	1000	900

Pressures

STRAMIT LO-CLAD™ CLADDING - SERVICEABILITY LIMIT STATE CAPACITY (CYCLONIC)							
pressure (kPa) at the spans (mm) shown							
BMT (mm)	fasteners per sheet	span-type	Wall Cladding (Pan fixed)				
			450	600	900	1200	1350
0.42	5	internal	6.36	6.36	3.03	1.82	1.53
		equal	6.36	6.36	3.03	1.82	1.53
		double	6.58	6.58	3.14	1.88	1.58

STRAMIT LO-CLAD™ CLADDING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)							
pressure (kPa) at the spans (mm) shown							
BMT (mm)	fasteners per sheet	span-type	Wall Cladding (Pan fixed)				
			450	600	900	1200	1350
0.42	5	internal	9.79	8.78	4.98	3.06	2.70
		equal	8.90	7.98	4.53	2.78	2.45
		double	7.83	7.02	3.98	2.45	2.16

Product name

STRAMIT LO-CLAD™ WALL CLADDING

Product Description

Stramit Lo-Clad™ wall cladding is manufactured from G550 (for 0.42mm BMT product) colour coated steel or zinc-aluminium alloy coated (AZ150) steel.

Manufacturer's Name

Stramit Building Products
55 Albatross Street, Winnellie, NT 0820

Design Criteria

Spans are based on the combinations of the following factors, for Region C, in accordance with AS1170.2:2011 (inc. Amendment No.2)

Strength: Regional wind speed $V_{500} = 69m/s$

Serviceability: Regional wind speed $V_{25} = 47m/s$

Terrain / Height Multiplier ($M_{z,cat}$) as per Table 4.1 in AS 1170.2:2011

TC	'h' up to 5m	'h' up to 10m
1&2	1.05	1.12
2.5	0.87	0.92
3&4	0.83	0.83

Wind direction multiplier: $M_d = 1.0$

Shielding multiplier: $M_s = 1.0$

Topographic multiplier: $M_t = 1.0$

Dynamic response factor: $C_{dyn} = 1.0$

Internal pressure coefficient: $C_{p,i} = +0.2$ service

Internal pressure coefficient: $C_{p,i} = +0.7$ strength

External pressure coefficients:

$C_{p,e} = -0.65$ for horizontal distance from windward edge '0 to 1h'

$C_{p,e} = -0.5$ for horizontal distance from windward edge '1h to 2h'

TC - Terrain category, h - Average roof height, d - Building length or depth, b - Building width, local pressure factors as defined in AS1170.2

Limitations:

- This DTC sheet is for wall applications only. Data and fixings are valid for sheeting used horizontally.

- End spans used in conjunction with tabulated internal spans should be 20% shorter.

- For Region C, suburban area, with shielding, the maximum overhang with a free edge is 50mm & a stiffened edge is 100mm.

- For Region C, suburban area, no shielding, the maximum overhang with a free edge is 50mm & a stiffened edge is 100mm.

- Cladding spans are based on the use of screws tested and specified on this data sheet for each support type and thickness.

- Sheeting span can be limited by maximum batten spacing when using cyclonic steel battens. For stud spacing upto 600mm, the spans in the tables are valid provided the following stud connection details are used

For steel 0.75mm thick - 4 No 14 - 10 x 25mm Type 17 screws

For steel > 0.75mm thick - 4 No 14 - 10 x 25mm screws

For timber - 2 No 14 - 10 x 40mm (50mm-softwood) Type 17 screws

Accepted for Inclusion

DTCM ref: *m/254*

Chairman's Signature: *[Signature]*

Chairman's Name: *STEVEN J EHRlich*

Date of Approval: *24-10-13*

Expiry Date: *24-10-18*

Note

- Tables are based on test program (Test Report No. TS481) carried out by James Cook University Cyclone Testing Station to meet the requirements of AS4040.3.

- For information on durability and other details and limitations please refer to the Stramit Wall Sheeting & Cladding Northern Region product technical manual.

- Tabulated values may be interpolated but not extrapolated.

- For other values of 'h', spans can be determined using the limit state capacity tables on the right.

***Design Engineer's Certification**

Name: Y. Arguedas

Registration Number: 845724

Date: *3/12/2013*

Signature: *[Signature]*

*registered as a structural engineer in Australia

***Certifying Engineer's Certification**

Name: Townes Chappell Mudgway P/L

Registration Number: 12611ES

Date: *3.12.2013*

Signature: *[Signature]*

**registered as a structural engineer in Northern Territory