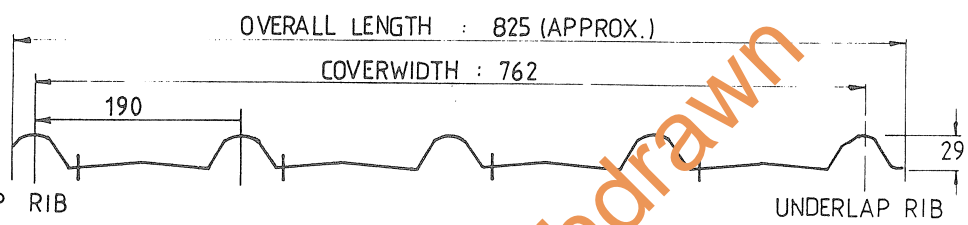


# TRIMDEK HI-TEN FOR WALLS VALLEY FASTENED



MATERIAL SPECIFICATION: 0.47 mm TCT ZINCALUME STEEL TO AS 197 - G550 - AZ150

TABLE 1 IS BASED ON CYCLIC TEST CRITERIA AS SPECIFIED IN N.B.T.C. TR 440. THE ALLOWABLE SPANS GIVEN IN TABLES 2 AND 3 HAVE BEEN OBTAINED BY LINEAR INTERPOLATION OF  $P_z$  IN TABLE 1. OVERHANGS TO BE 200 mm MAXIMUM.

WIND LOADS ARE DETERMINED IN ACCORDANCE WITH AS 1170 PART 2 1983 "WIND FORCES LOADING CODE" FOR A REGIONAL BASIC WIND VELOCITY 55 M/S, CYCLONIC AREA MULTIPLIER OF 1.15 AND ASSUMING AN INTERNAL PRESSURE COEFFICIENT OF + 0.8 AND EXTERNAL PRESSURE COEFFICIENT OF - 0.6. FOR TABLE 2 THE THREE SPANS FOR EACH TERRAIN CATEGORY ALLOW FOR LOCAL PRESSURE FACTOR K1 AS PER PARAGRAPH B1.5 OF AS 1170 PART 2 - 1983. RACKING STRENGTH PROVIDED BY THE CLADDING HAS NOT BEEN TESTED AND SHOULD NOT BE ALLOWED FOR IN THE DESIGN OF THE STRUCTURE.

**RECOMMENDED FASTENERS**

Timber Supports		Self-drilling wood screw with EDPM seal	
Strength Group *	Wood	Type	Hex Hd. No.
Hardwood J1 - J3	Softwood	Type 1	Hex Hd. No.14-10x25 (Lysaght No.THS 1425)
Softwood J4		Type 1	Hex Hd. No.14-10x50 (Lysaght No.THS 1450)

Steel Supports		Self-drilling & tapping screw with EDPM seal	
Steel Thickness	No.	Type	Hex Hd. No.
Up to 2.5 mm.	No. 14-10x20	Hex Hd.	(Lysaght No. SHS 1420)
2.5 - 5.0 mm.	No. 14-20x22	Hex Hd.	(Lysaght No. SHS 1422)

When fixing over insulation blankets, increase screw length to maintain fastener penetration in support.

TABLE 1: DESIGN WIND PRESSURE,  $P_z$ , kPa

TABLE 2: WALL SHEETING MAXIMUM ALLOWABLE SPANS, HEIGHT UP TO 6 m

TABLE 3: WALL SHEETING MAXIMUM ALLOWABLE SPANS, HEIGHT UP TO 10 m

SPAN mm	0.47 mm		
	SINGLE SPAN	END SPAN	INT. SPAN
600	7.1	4.7	5.5
900	3.9	2.9	3.7
1200	2.2	2.2	2.7
1500	1.4	1.4	2.0
1800	0.9	0.8	1.4
2100	0.5	0.5	1.0
2400	-	-	0.7

TERRAIN CAT. MULTI-PLIER	LOCAL PRESS. FACTOR K1	$P_z$ kPa	0.47 mm		
			SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.57	960	760	940
	1.5	4.33	860	610	790
	2.0	5.09	790	550	660
CAT 2	1.0	2.97	1060	880	1120
	1.5	3.61	950	760	930
	2.0	4.24	860	630	810
CAT 2.5	1.0	2.15	1220	1220	1430
	1.5	2.61	1120	1020	1230
	2.0	3.07	1040	860	1090
CAT 3	1.0	1.46	1470	1470	1770
	1.5	1.78	1360	1360	1610
	2.0	2.09	1240	1240	1460

TERRAIN CAT. MULTI-PLIER	LOCAL PRESS. FACTOR K1	$P_z$ kPa	0.47 mm		
			SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.99	890	680	850
	1.5	4.85	810	570	710
	2.0	5.70	730	510	590
CAT 2	1.0	3.36	990	800	1000
	1.5	4.08	880	660	830
	2.0	4.80	810	570	710
CAT 2.5	1.0	2.43	1160	1100	1310
	1.5	2.95	1060	890	1120
	2.0	3.47	970	780	970
CAT 3	1.0	1.65	1400	1400	1670
	1.5	2.00	1270	1270	1500
	2.0	2.35	1170	1130	1350

\* For strength groups refer AS 1720 - 1975

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**Performance**  
 Company products will perform as specified if fixed in accordance with the recommendations contained in this drawing.

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AUTH	

**Engineering and Development**  
 Lysaght Building Industries  
 A DIVISION OF JOHN LYSAGHT (AUSTRALIA) LIMITED (INCORPORATED IN NSW)  
 CYCLONIC FIXING DATA  
 TRIMDEK HI-TEN(0.47mmTCT)  
 VALLEY FASTENED UP TO 6 m & 10 m

Manufacturers Name: <b>LYSAGHT BUILDING INDUSTRIES</b>		FIXING OF 0.47 mm TRIMDEK HI-TEN VALLEY FIXED ON WALLS IN THE DARWIN AREA BUILDING HEIGHT UP TO 6 m & 10 m	
Address: Cnr. Coonawarra and Bombing Roads, Winnellie. N.T. Phone: (089) 84 3311		<b>DESIGN DATA SHEET</b>	
CERTIFIED: <i>[Signature]</i> M.I.E. Aust	NORTHERN TERRITORY CYCLONIC AREAS APPROVED: <i>[Signature]</i> M.I.E. Aust	DRAWING NO. <i>M/215/19</i>	
DATE: 19/2/88	DATE: <i>20/4/88</i>		
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