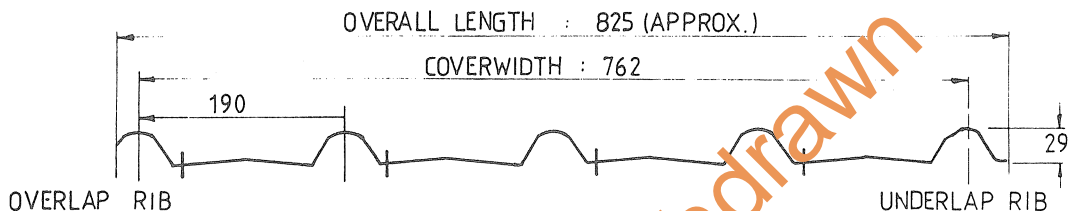


TRIMDEK HI-TEN FOR WALLS VALLEY FASTENED



MATERIAL SPECIFICATION: 0.53 mm TCT ZINCALUME STEEL TO AS 1397 - 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 K_1 AS PER PARAGRAPH B1.5 OF AS 1170 PART 2 - 1983. PACKING 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	
Strength Group *	Self-drilling wood screw with EDPM seal
Hardwood J1 - J3	Type 1 Hex Hd. No. 14-10x25 (Lysaght No. THS 1425)
Softwood J4	Type 17 Hex Hd. No. 14-10x50 (Lysaght No. THS 1450)

Steel Supports	
Steel Thickness	Self-drilling & tapping screw with EDPM seal
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

SPAN, mm	0.53 mm		
	SINGLE SPAN	END SPAN	INT. SPAN
600	9.4	5.0	6.2
900	4.4	3.3	4.2
1200	2.5	2.5	3.1
1500	1.6	1.8	2.5
1800	1.1	1.4	2.1
2100	0.7	0.9	1.8
2400	-	0.6	1.3
2700	-	-	0.9
3000	-	-	0.7

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

TERRAIN CAT.	LOCAL PRESS. MULTI-PLIER	LOCAL PRESS. FACTOR K_1	P_z kPa	0.53 mm		
				SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.57	1030	850	1070	
	1.03	1.5	4.33	910	720	880
		2.0	5.09	860	590	760
CAT 2	1.0	2.97	1120	1020	1260	
	0.94	1.5	3.61	1020	840	1060
		2.0	4.24	920	730	890
CAT 2.5	1.0	2.15	1310	1350	1760	
	0.80	1.5	2.61	1180	1160	1440
		2.0	3.07	1110	980	1210
CAT 3	1.0	1.46	1580	1750	2300	
	0.66	1.5	1.78	1440	1510	2100
		2.0	2.09	1330	1370	1800

* For strength groups refer AS 1720 - 1975

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

TERRAIN CAT.	LOCAL PRESS. MULTI-PLIER	LOCAL PRESS. FACTOR K_1	P_z kPa	0.53 mm		
				SINGLE SPAN mm	END SPAN mm	INT. SPAN mm
CAT 1	1.0	3.99	960	770	950	
	1.09	1.5	4.85	870	620	800
		2.0	5.70	820	550	670
CAT 2	1.0	3.36	1060	890	1130	
	1.00	1.5	4.08	950	760	930
		2.0	4.80	870	630	810
CAT 2.5	1.0	2.43	1220	1230	1550	
	.85	1.5	2.95	1130	1030	1270
		2.0	3.47	1040	870	1100
CAT 3	1.0	1.65	1480	1610	2190	
	.70	1.5	2.00	1360	1410	1900
		2.0	2.35	1250	1260	1610

Manufacturers Name: LYSAGHT BUILDING INDUSTRIES		FIXING OF 0.53 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 CERTIFIED: <i>[Signature]</i> M.I.E. Aust		DESIGN DATA SHEET	
DATE: 19/2/88		NORTHERN TERRITORY CYCLONIC AREAS APPROVED: <i>[Signature]</i> M.I.E. AUST	DRAWING NO. M/215/20
LYSAGHT DRAWING NO: 78372		DATE: 20/4/88	

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Sheet Steel Building Products Under Adverse Conditions

If it is intended to use uncoated, galvanised, prime coated or Colobond building products within 1 kilometre of salt marine locations, or in severe industrial environments, please contact your nearest Lysaght Building Industries Sales Office for free specialised advice.

Performance

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

SCALE: **N.T.S.**

DATE: **19.2.88**

DRAWN: **T.G.**

AUTH:

Engineering and Development

Lysaght Building Industries
A DIVISION OF JOHN LYSAGHT (AUSTRALIA) LIMITED (INCORPORATED IN NSW)

CYCLONIC FIXING DATA

TRIMDEK HI-TEN (0.53mm TCT)

VALLEY FASTENED UP TO 6 m & 10 m

78372

LYSAGHT
BUILDING INDUSTRIES