



PRODEK - SHEET PROFILE

MATERIAL SPECIFICATION 0.42 AND 0.48mm BMT ZINCALUME STEEL TO AS1397-G550-AZ150
 TABLE 1 HAS BEEN PRODUCED FROM RESULTS OF TESTING CARRIED OUT IN ACCORDANCE WITH THE N.T. APPENDIX TO THE B.C.A.
 SHEETING WAS TESTED TO 10,000 CYCLES FOR DESIGN PRESSURES FOLLOWED BY AN ULTIMATE LOAD OF 1.8 TIMES THE DESIGN PRESSURE.

TABLES 2 TO 5 HAVE BEEN OBTAINED BY LINEAR INTERPOLATION OF ALLOWABLE SPANS GIVEN IN TABLE 1 FOR VARYING VALUES OF Pz. MAXIMUM SPANS HAVE BEEN DETERMINED IN ACCORDANCE WITH CONCENTRATED LOAD CRITERIA GIVEN IN AS 1170.1. MAXIMUM OVERHANGS ARE 200mm FOR ROOFS AND 300mm FOR WALLS.

WIND LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH AS 1170.2 - 1989, "SAA LOADING CODE - PART 2 : WIND LOADS", FOR A DESIGN WIND SPEED OF 57 m/s AND WITH Ms, Mi AND Mi EQUAL TO 1.0.

ALLOWABLE SPANS IN TABLES 3 AND 4 ARE BASED ON AN INTERNAL PRESSURE COEFFICIENT OF +0.8 WHILE AN INTERNAL PRESSURE COEFFICIENT OF +0.7 WAS USED TO DETERMINE ALLOWABLE SPANS IN TABLES 2 AND 5.

ALL ALLOWABLE SPAN VALUES ARE BASED ON AN EXTERNAL PRESSURE COEFFICIENT OF -0.9 AND ALLOWANCE HAS BEEN MADE FOR LOCAL PRESSURE FACTORS, WHICH HAVE BEEN APPLIED IN ACCORDANCE WITH CLAUSE 3.4.5 OF AS 1170.2 - 1989.

NOTE: THE MATERIAL HAS NOT BEEN TESTED TO DETERMINE ITS RACKING RESISTANCE AND IT SHOULD NOT BE ALLOWED FOR IN THE DESIGN OF STRUCTURES.

RECOMMENDED FASTENERS

0.42 AND 0.48 PRODEK	
STEEL PURLINS (up to 2.5mm thick)	No.14-10x20 HWF TEK SCREWS.
STEEL PURLINS (2.5-5.0mm thick)	No.14-20x45 HWF TEK SCREWS.
HARDWOOD	TYPE 17 No.14-10X30 HWF TEK SCREWS.
SOFTWOOD	TYPE 17 No.14-10X40 HWF TEK SCREWS.

NOTE. Fasteners shall be located as indicated, 6 per sheet,
 and shall be fitted with 25dia x 1thk. galvanised conical shaped washers
 and an EDPM seal.
 When fixing over insulation, increase screw length to maintain
 required embedment.

TABLE 1 DESIGN WIND PRESSURE (KPa) FOR VARYING SPANS

MATERIAL THICKNESS	TYPE OF SPAN	SPAN (mm)			
		900	1200	1500	1800
0.42mm	INTERNAL	4.0	3.3	2.8	2.2
	END	3.5	2.8	2.3	1.8
0.48mm	INTERNAL	5.3	4.6	4.0	3.3
	END	4.8	4.0	3.1	2.6



STRATCO (NT) PTY.LTD.
 60,ALBATROSS ST.
 WINNELLIE,N.T.

0.42 AND 0.48mm "PRODEK"
 CLADDING FOR BUILDING HEIGHTS UP TO 10.0m.
 - DESIGN DATA

CERTIFIED

T. de la
 Colless and O'Neill
 Pty. Ltd.

Date 12-2-92

ACCEPTED

[Signature]
 13/2/92

DRAWING NO.

M116/1