NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code (NCC) Volume 2

This product has been determined to satisfy NCC Performance Requirement H1P1 for structural resistance of materials and forms of construction in high wind areas

MAXIMUM SPAN (mm) TABLES FOR TIMBER & STEEL

SUPPORT BMT ≥ 1.5mm

SGL.=SINGLE SPAN, END=END SPAN, INT.=INTERNAL SPAN

BUILDING HEIGHT	TERRAIN	KI	pz (kPa)		0.42 BM1	ī		0.48 BM1	•
	CITEGOIT		(Kr u)	SGL.	END	INT.	SGL.	END	INT.
		1	4.23	1460	1290	1420	1680	1420	1600
		1.5	5.42	1260	1040	1100	1410	1130	1170
	1	2	6.61	1130	840	880	1200	980	1010
		3	8.99	930	N/A	N/A	980	770	780
		1	3.44	1670	1500	1720	1920	1710	1890
	,	1.5	4.40	1430	1240	1360	1630	1370	1530
	Δ	2	5.37	1270	1050	1110	1420	1140	1180
		3	7.30	1070	750	780	1140	900	920
		1	3.49	1650	1480	1700	1900	1690	1880
IIP TO	2.5	1.5	4.02	1500	1340	1500	1730	1490	1680
5M	2.5	2	4.91	1350	1130	1190	1510	1200	1330
эп		3	6.67	1120	830	870	1190	980	1010
	_	1	2.86	1800	1770	1970	2100	1940	2100
		1.5	3.66	1600	1440	1630	1830	1620	1810
	3	2	4.47	1420	1220	1340	1620	1350	1500
		3	6.07	1170	920	980	1300	1050	1080
		1	2.33	1800	1800	2100	2100	2100	2100
		1.5	2.99	1800	1710	1910	2090	1890	2060
	4	2	3.65	1610	1440	1640	1830	1630	1820
		3	4.96	1340	1120	1180	1500	1190	1310
		1	4.84	1360	1150	1210	1520	1230	1360
		1.5	6.20	1160	890	950	1280	1030	1070
	1	2	7.56	1050	720	740	1110	880	890
		Record R	670	670					
		Action (RPa) (RPa) (Sol. 1) (S	1310	1450	1700	1450	1630		
UP TO 10M	2	1.5	5.32	1280	1060	1120	1430	1150	1180
	2	2	6.48	1140	860	900	1230	1000	1030
		3	8.82	940	N/A	N/A	1000	780	790
		1	3.51	1650	1480	1690	1890	1680	1870
UP TO	2.5	1.5	4.50	1420	1220	1330	1610	1340	1490
	۷.۶	2	5.49	1250	1020	1080	1400	1130	1160
		3	7.46	1060	730	760	1120	880	900
		1	2.86	1800	1770	1970	2100	1940	2100
	,	1.5	3.66	1600	1440	1630	1830	1620	1810
	5	2	4.47	1420	1220	1340	1620	1350	1500
		3	6.07	1170	920	980	1300	1050	1080
		1	2.33	1800	1800	2100	2100	2100	2100
		1.5	2.99	1800	1710	1910	2090	1890	2060
	4	2	3.65	1610	1440	1640	1830	1630	1820
		3	4.96	1340	1120	1180	1500	1190	1310
		دا				1100	טטכו	1170	(1)

END SPAN

ROOF DESIGN CAPACITY TABLES ULTIMATE LIMIT STATE PRESSURE (kPa)

SPAN		0.42 BM	IT	d	11.25 11. 7.30 7.5	т
(mm)	SINGLE	END	INTERNAL	SINGLE	END	INTERNAL
600	9.45	8.55	8.55	11.25	11.25	11.25
900	9.35	6.18	6.52	9.90	7.30	7.50
1200	5.83	4.58	4.89	6.66	4.94	5.24
1500	4.04	3.45	4.02	4.98	4.03	4.49
1800	2.99	2.81	3.24	3.75	3.21	3.71
2100	N/A	N/A	2.57	2.98	2.50	2.89

SERVICEABILITY LIMIT STATE PRESSURES CAN BE OBTAINED BY MULTIPLYING THE VALUES IN THE TABLE ABOVE BY 0.46.

MAXIMUM ROOF SUPPORT SPACING (mm)

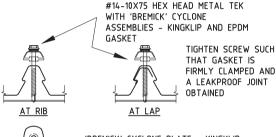
SPAN TYPE	0.42 BMT	0.48 BMT
END	2000	2600
INTERNAL	2500	3000*
SINGLE	1600	2000

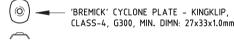
THE MAXIMUM SUPPORT SPACING CONSIDERS LIGHT ROOF TRAFFIC FROM INCIDENTAL MAINTENANCE. * LONG SPANS REQUIRED PARTICULAR ATTENTION TO INSTALLATION PRACTICE.

CREST FIXING DETAILS

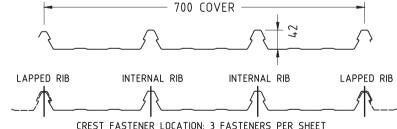
INSTALLATION NOTES:

- . INSTALLATION SHALL BE IN ACCORDANCE WITH FIFLDERS RODEING & WALLING ΜΔΝΠΔΙ
- INCREASE SCREW LENGTH IF FIXING OVER INSULATION TO MAINTAIN A MIN. OF 3 SCREW THREADS PROTRUDING ON THE FAR SIDE STEEL SUPPORT.
- · ALWAYS WALK OVER SUPPORTS IF POSSIBLE, GENERALLY KEEP YOUR WEIGHT DISTRIBUTED EVENLY OVER THE SOLES OF YOUR SHOES.
- NO PRE-BORED HOLES PERMITTED WHEN FASTENING TO SUPPORT.





— GASKET: BLACK E.P.D.M. 40-45 DUROMETER



RECOMMENDED ROOF FASTENERS FOR STEEL SUPPORTS

RECOMMENDED ROOF FASTENERS FOR TIMBER SUPPORTS

	RECOTTEDED ROOF TA	STERENS FOR STEEL SOLLOKIS	THE COLL IN IELIDE	5 NOON TRISTERIERS TON THISEN SOLLOWIS
SCREW NOTATION CODE:	STEEL THICKNESS	CLASS 4 : SELF DRILLING & TAPPING HEX HEAD SCREW WITH EPDM SEAL	STRENGTH GROUP	CLASS 4 : SELF DRILLING HEX HEAD SCREW WITH EPDM SEAL
HH DENOTED - HEX. HEAD	SINGLE: 1.0mm UP TO 3.0mm bmt	#14 - 10 x 75 HH (CREST FIX)	HARDWOOD J1-J3	#12 - 11 x 75 T17 HG/TG HH (CREST FIX)
T17 " - TYPE 17 HG " - HIGH GRIP	SINGLE/LAPPED: 0.75mm UP TO 1.0mm bmt (total 2.0mm)	#14 - 10 x 75 HH (CREST FIX)	SOFTWOOD J4	#14 - 10 x 75 T17 HH (CREST FIX)
TG " - TOP GRIP	LAPPED: 1.0mm UP TO 1.9mm bmt (total 3.8mm)	#14 - 10 x 75 HH (CREST FIX)	30FTW00D 74	#14 - 10 X /3 11/ 1111 (CRLS1 11A)
Notes covering basis	of DTC (Relevant test reports etc)	ic	hecking Engineer	Certifying Engineer

SINGLE SPAN

CYCLONIC TESTS OF KINGKLIP 700 ROOF SHEETING, REPORT REF. No. C070503, 03 DEC. 2007. TESTING CONDUCTED BY ENGTEST-UNIVERSITY OF ADELAIDE, TEST REPORT PREPARED FOR TREVOR JOHN & ASSOCIATES PTY LTD.

INTERNAL SPAN

- STATIC & CYCLIC FATIGUE WITHDRAWAL CAPACITIES OF SELF DRILLING SCREWS IN TIMBER SUPPORTS. REPORT: 5.1.2-REPORT 05. DECEMBER 2010, BLUESCOPE LYSAGHT No 27 STERLING RD. MINCHINBURY 2770 NSW - AUSTRALIA.
- SCREW PULLOUT CAPACITIES TO BUILDING CODES OF AUSTRALIA'S LOW-HIGH-LOW CYCLONIC TEST REGIME. REPORT: 5.1.2 -REPORT 02. SEPTEMBER 2009. BLUESCOPE LYSAGHT No 27 STERLING RD, MINCHINBURY 2770 NSW - AUSTRALIA.

Name: SANDEEP SHARMA

Registration Number: MIE AUST, 3101165

Date: 26/02/2024

Signature: (auc

Name: STEPHEN HEALEY

NT Registration Number: 34856ES

Date: 07/03/2024

Product Name

KINGKLIP 700 - RIB FASTENED ROOFING FOR CYCLONIC REGIONS - SHEET 1 OF 2

Product Description

KINGKLIP 700 ROOFING IS MANUFACTURED FROM 0.42mm & 0.48mm BMT G550. AM125 ZINCALUME, AM100 COLORBOND, AM150 COLORBOND ULTRA, Z600 HERITAGE GALVANISED MATERIAL IS AVAILABLE IN SOME LOCATIONS.

Manufacturer's Details

FIELDERS AUSTRALIA PTY LTD

15 RAILWAY TERRACE, MILE END SOUTH S.A. 5031



Design Criteria

KINGKLIP 700 COMPLIES WITH AUSTRALIAN STANDARDS FOR THE FOLLOWING REDUIREMENTS:

- A. WIND LOADING: AS/NZS 1170.2: 2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTION WIND LOAD DESIGN CRITERIA
 - 1. IMPORTANCE LEVEL 2 WITH RETURN PERIOD OF 500 YEARS
- . WIND REGION VR = 66 m/sec
- 3. Ms = Mt = Mrl = 1.0 Mr = 1.05
- 5. HEIGHT MULTIPLIERS FROM TABLE 4.1 OF AS/NZS 1170.2:2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS HAVE BEEN USED TO

L	HEIGHT (m)	TERRA	TERRAIN / HEIGHT MULTIPLIER (Mz,cat)									
	HEIGHT (III)	1	2	2.5	3	4						
	<=5	1.01	0.91	0.87	0.83	0.75						
	<=10	1.08	1.00	0.92	0.83	0.75						

- R CONCENTRATED LOAD AT MAXIMUM COAN, AS ADAD 0.1002, METHODS OF TESTING SHEET DODE AND WALL CLADDING ... INTRODUCTION LIST OF CONCENTRATED LOAD AT MAXIMUM SPAR AS AUGUS-1992: METHODS OF TESTING SHEET ROOF AND WALL CLADDING - MISROUCHIDI METHODS AND GENERAL REQUIREMENTS; AS 4040.1-1992: METHODS OF TESTING SHEET ROOF AND WALL CLADDING - RESISTANCE TO CONCENTRATED LOADS
- C. SERVICEABILITY: AS/NZS 1170.0: 2002 STRUCTURAL DESIGN ACTIONS PART 0: GENERAL PRINCIPLES (INCORPORATING AMENDMENT 1. 2. 3. 4. &
- D. TIMBER STRENGTH GROUPS: AS 1720.2: 2006 TIMBER STRUCTURES PART 2: TIMBER PROPERTIES (INCORPORATING AMENDMENT No. 1).
- PRODUCT METALLIC COATING COMPLIES WITH AS 1397-2021 : CONTINUOUS HOT-DIP METALLIC COATED STEEL SHEET AND STRIP COATINGS OF ZINC AND ZINC ALLDYED WITH ALLIMINUM AND MAGNESUM & AS/NZS 2728: 2013 PREFINISHED/PREPAINTED SHEET METAL PRODUCTS FOR INTERIOR/EXTERIOR BUILDING APPLICATIONS - PERFORMANCE REQUIREMENTS
- INTERPOLATION OF CAPACITY AND SPACING VALUES IS PERMITTED.
- G. DESIGN TABLES ARE BASED ON THE TEST RESULTS IN ACCORDANCE WITH NCC 2022 BUILDING CODE OF AUSTRALIA REQUIREMENTS FOR "LHL" CYCLONIC TEST FOR METAL ROOFS AND RELEVANT CLAUSES OF AS/NZS 4600: 2018 COLD-FORMED STEEL STRUCTURES.

Limitations

- ONLY FASTENERS NOTED ON THIS DTCS CAN BE USED FOR FIXING. ALL FASTENERS ARE TO BE CLASS 4 IN ACCORDANCE TO AS 3566.2-2002 SELF-DRILLING SCREWS FOR THE BUILDING AND CONSTRUCTION INDUSTRIES PART 2: CORROSION RESISTANCE REQUIREMENTS.
- THE DATA IN THIS SHEET SHALL BE APPLICABLE TO KINGKLIP 700 ROOFING ONLY. PROFILE DIMENSIONS OF KINGKLIP 700 AS SUPPLIED FOR INSTALLATION SHALL COMPLY WITH KINGKLIP 700 PRODUCT DRAWINGS AS DEVELOPED BY FIFLDERS
- MAXIMUM KINGKLIP 700 ROOF LENGTHS AS RELATED TO RAINWATER CARRYING CAPACITY & ROOF PITCH SHALL BE DETERMINED LISING THE FIELDERS RODEING & WALLING MANUAL
- https://specifying.fielders.com.au/roofing-walling/cyclonic/kingklip-700-cyclonic/#Rainfall Capacity
- 4. MAXIMUM BATTEN SPACING TABLES ARE BASED ON MAXIMUM ROOF HEIGHT (h) = 10M.
- Pz (PRESSURE) IN THE TABLES SHALL BE INCREASED ACCORDING TO AS/NZS 1170.2:2021 CLAUSE 5.4.1 WHERE h/d >= 0.5
- 6. INSTALLATION SHALL BE IN ACCORDANCE WITH FIELDERS KINGKLIP 700 DESIGN MANUAL https://specifying.fielders.com.au/roofing-walling/cyclonic/kingklip-700-cyclonic/

Accepted for inclusion in Deemed to Comply Manual

M/379/01 DTCM drawing number:

Chairperson Signature:

Chairperson Name: Paul Nowland

Date of Approval: 19/03/2024 Expiry Date: 19/03/2029

NORTHERN TERRITORY DEEMED TO COMPLY MANUAL - National Construction Code (NCC) Volume 2

This product has been determined to satisfy NCC Performance Requirement H1P1 for structural resistance of materials and forms of construction in high wind areas

MAXIMUM BATTEN SPACING TABLES FOR 0.75mm & 1.0mm BMT STEEL BATTENS (mm)

BUILDING	TERRAIN			TS4075							TS6	175			TS6110					
HEIGHT	CATEGORY	Kl	pz (kPα)	BATTEN SPAN (SUPPORT SPACING), mm			BATTE	BATTEN SPAN (SUPPORT SPACING), mm					BATTE	N SPAN	(SUPP	ORT SP	ACING),	mm		
	O I I E GOI I I		···· ω,	≤ 600	900	1200	1500	1800	≤1500	2000	2500	3000	3500	4000	≤1500	2000	2500	3000	3500	4000
		1	4.23	1230	865	565	430	295	845	630	345	265	220	N/A	845	635	510	390	280	220
		1.5	5.42	960	675	440	335	230	660	490	270	205	N/A	N/A	660	495	395	305	220	N/A
	1	2	6.61	785	555	360	275	N/A	540	405	220	N/A	N/A	N/A	540	405	325	250	N/A	N/A
		3	8.99	575	405	265	200	N/A	395	295	N/A	N/A	N/A	N/A	395	295	240	N/A	N/A	N/A
		1	3.44	1510	1065	700	530	360	1040	775	430	325	270	215	1040	780	625	480	345	270
	2	1.5	4.40	1180	835	545	415	280	815	605	335	255	210	N/A	815	610	490	375	270	210
		2	5.37	965	685	445	340	230	665	495	275	210	N/A	N/A	665	500	400	305	220	N/A
		3	7.30	710	500	330	250	N/A	490	365	200	N/A	N/A	N/A	490	365	295	225	N/A	N/A
		1	3.49	1490	1050	690	520	355	1025	765	420	320	265	210	1025	770	615	475	340	265
UP TO	2.5	1.5	4.02	1295	915	595	455	310	890	665	365	280	230	N/A	890	665	535	410	295	230
5M	2.5	2	4.91	1060	745	490	370	250	730	545	300	230	N/A	N/A	730	545	435	335	240	N/A
ا ""		3	6.67	780	550	360	270	N/A	535	400	220	N/A	N/A	N/A	535	400	320	245	N/A	N/A
ı	, [1	2.86	1820	1285	840	635	435	1255	935	515	395	325	255	1255	940	755	580	415	325
		1.5	3.66	1420	1005	655	500	340	980	730	400	305	255	200	980	730	590	450	325	255
		2	4.47	1160	820	535	405	275	800	595	330	250	210	N/A	800	600	480	370	265	210
		3	6.07	855	605	395	300	205	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A
		1	2.33	2230	1575	1030	785	535	1540	1150	635	480	400	315	1540	1150	925	710	515	400
		1.5	2.99	1740	1230	805	610	415	1200	895	490	375	310	245	1200	895	720	555	400	310
	4	2	3.65	1425	1005	660	500	340	980	730	405	305	255	200	980	735	590	450	325	255
		3	4.96	1045	740	485	365	250	720	540	295	225	N/A	N/A	720	540	435	330	240	N/A
		1	4.84	1075	760	495	375	255	740	550	305	230	N/A	N/A	740	555	445	340	245	N/A
		1.5	6.20	835	590	385	295	200	575	430	235	N/A	N/A	N/A	575	430	345	265	N/A	N/A
	1	2	7.56	685	485	315	240	N/A	470	350	N/A	N/A	N/A	N/A	470	355	285	215	N/A	N/A
		3	10.28	505	355	230	N/A	N/A	345	260	N/A	N/A	N/A	N/A	345	260	210	N/A	N/A	N/A
1		1	4.15	1250	885	580	440	300	865	645	355	270	225	N/A	865	645	520	400	285	225
	2	1.5	5.32	975	690	450	340	230	670	500	275	210	N/A	N/A	670	505	405	310	225	N/A
	2	2	6.48	800	565	370	280	N/A	550	410	225	N/A	N/A	N/A	550	415	330	255	N/A	N/A
		3	8.82	590	415	270	205	N/A	405	300	N/A	N/A	N/A	N/A	405	300	240	N/A	N/A	N/A
1		1	3.51	1480	1045	685	520	355	1020	760	420	320	265	210	1020	765	615	470	340	265
UP TO	2,5	1.5	4.50	1155	815	535	405	275	795	595	325	250	205	N/A	795	595	480	365	265	205
10M	2.5	2	5.49	945	670	435	330	225	650	485	265	205	N/A	N/A	650	485	390	300	215	N/A
1011		3	7.46	695	490	320	245	N/A	480	355	N/A	N/A	N/A	N/A	480	360	285	220	N/A	N/A
i		1	2.86	1820	1285	840	635	435	1255	935	515	395	325	255	1255	940	755	580	415	325
		1.5	3.66	1420	1005	655	500	340	980	730	400	305	255	200	980	730	590	450	325	255
	3	2	4.47	1160	820	535	405	275	800	595	330	250	210	N/A	800	600	480	370	265	210
		3	6.07	855	605	395	300	205	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A
1		1	2.33	2230	1575	1030	785	535	1540	1150	635	480	400	315	1540	1150	925	710	515	400
		1.5	2.99	1740	1230	805	610	415	1200	895	490	375	310	245	1200	895	720	555	400	310
	4	2	3.65	1425	1005	660	500	340	980	730	405	305	255	200	980	735	590	450	325	255
		3	4.96	1045	740	485	365	250	720	540	295	225	N/A	N/A	720	540	435	330	240	N/A

BATTEN SPACING TABLE NOTES:

- MAXIMUM SPACING SHALL BE GOVERNED BY CAPACITY OF BATTENS AND THEIR CONNECTIONS TO SUPPORTING RAFTERS/TRUSSES AS WELL AS PULL-DUT CAPACITIES OF FASTENERS CONNECTING FIELDERS CLADDINGS TO BATTEN.
- SPACING OF BATTENS SHALL NOT EXCEED BOTH MAXIMUM SPAN AND MAXIMUM SUPPORT SPACING OF (LADDING AS GIVEN IN SHEET 1.
- 3. FASTENER REQUIREMENTS FOR FIXING **TS4075** TO SUPPORTS IN BATTEN SPACING

STEEL SUPPORTS:

- 1.00mm BMT: 2x #14(M6.5)-12X30 CYCLONIC ROOF ZIPS®
- 1.20~1.9mm BMT: 2x #14-10X25 HEX. HEAD SELF DRILLING SELF TAPPING TEKS®
- 'BUILDEX' M6.5-12X30 CYCLONIC ROOF ZIPS = #14-12X30 CYCLONIC ROOF ZIPS
- 2x 'BUILDEX' #12(M5.5)-11x40 BATTENZIPS
- FASTENER REQUIREMENTS FOR FIXING TS6175 OR TS6110 TO SUPPORTS IN BATTEN SPACING TABLE?
 - STEEL SUPPORT 1.20~1.9mm BMT: 4x #14-10X25 HEX. HEAD SELF DRILLING SELF TAPPING TEKS®
 - TIMBER SUPPORTS: 4x 'BUILDEX' #12(M5.5)-11x40 BATTENZIPS

DESIGN CAPACITY TABLE NOTES:

- 1. STEEL SUPPORT FASTENER SPECIFICATION:
- 1.00mm BMT: #14(M6.5)-12X30 CYCLONIC ROOF ZIPS®
- 1.20 \sim 1.9mm BMT: #14-10X25 HEX. HEAD SELF DRILLING SELF TAPPING TFKS®
- 'BUILDEX' M6.5-12X30 CYCLONIC ROOF ZIPS = #14-12X30 CYCLONIC ROOF
- TIMBER SUPPORT FASTENER SPECIFICATION: 'BUILDEX' #12(M5.5)-11x40 BATTENZIPS
- 3. DESIGN CAPACITY TABLE CAN BE USED TO DESIGN TS4075, TS6175 & TS6110 WITH TIMBER SUPPORTS:
 - 2 FASTENER CONNECTION: SOFTWOOD TIMBER = 1.5mm bmt STEEL SUPPORT, HARDWOOD TIMBER = 1.9mm bmt STEEL SUPPORT.
- 4 FASTENER CONNECTION: HARDWOOD/SOFTWOOD TIMBER SUPPORT =
 1.9bmt STEEL SUPPORT.
- OUTWARD CAPACITY SHALL BE LIMITED BY THE MINIMUM VALUE BETWEEN MEMBER STRENGTH AND FASTENERS CAPACITY.
- 5. TS4075 BATTEN SHALL BE CONTINUOUS OVER AT LEAST 2 SPANS, LAPPED 40mm MINIMUM AT THE SUPPORT (TRUSS OR RAFTER) LOCATIONS.
- 6. TS6175 AND TS6110 BATTENS SHALL BE CONTINUOUS OVER AT LEAST 2 SPANS, STRUCTURAL LAPPING DISTANCE AT SUPPORT IS MINIMUM 15% OF THE LONGER SPAN. NON STRUCTURAL LAPPING DISTANCE IS 40mm MINIMUM AT THE SUPPORT (TRUSS OR RAFTER) LOCATIONS.

Product Name

KINGKLIP 700 - RIB FASTENED ROOFING FOR CYCLONIC REGIONS - SHEET 2 OF 2

Product Description

KINGKLIP 700 ROOFING IS MANUFACTURED FROM 0.42mm & 0.48mm BMT G550, AM125 ZINCALUME, AM100 COLORBOND, AM150 COLORBOND ULTRA, Z600 HERITAGE GALVANISED MATERIAL IS AVAILABLE IN SOME LOCATIONS.

Manufacturer's Details

FIELDERS AUSTRALIA PTY LTD

15 RAILWAY TERRACE, MILE END SOUTH S.A. 5031



Design Criteria

KINGKLIP 700 COMPLIES WITH AUSTRALIAN STANDARDS FOR THE FOLLOWING REQUIREMENTS:

- A. WIND LOADING: AS/NZS 1170.2: 2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTION WIND LOAD DESIGN CRITERIA:
 - 1. IMPORTANCE LEVEL 2 WITH RETURN PERIOD OF 500 YEARS
- 2. WIND REGION VR = 66 m/ser
- 3. Ms = Mt = Md = 1.0, Mc = 1.05
- 4. Cpe = -0.9; Cpi = +0.7 Kce & Kci = 0.9
- 5. HEIGHT MULTIPLIERS FROM TABLE 4.1 OF AS/NZS 1170.2:2021 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTIONS HAVE BEEN USED TO GENERATE THE TABLES.

HEIGHT (m)	TERRA	IN / HEIG	HT MULTII	PLIER (Mz.	cat)
TILIGITI (III)	1	2	2.5	3	4
<=5	1.01	0.91	0.87	0.83	0.75
<=10	1.08	1.00	0.92	0.83	0.75

- B. CONCENTRATED LOAD AT MAXMUM SPAN AS 444.0.-1992: METHODS OF TESTING SHEET ROOF AND WALL CLADDING INTRODUCTION, LIST OF METHODS AND GENERAL REQUIREMENTS, AS 444.0.-1992: METHODS OF TESTING SHEET ROOF AND WALL CLADDING - RESISTANCE TO CONCENTRATED LOADS
- SERVICEABILITY: AS/NZS 1170.0: 2002 STRUCTURAL DESIGN ACTIONS PART 0: GENERAL PRINCIPLES (INCORPORATING AMENDMENT 1, 2, 3, 4 & 5)
- D. TIMBER STRENGTH GROUPS: AS 1720.2: 2006 TIMBER STRUCTURES PART 2: TIMBER PROPERTIES (INCORPORATING AMENDMENT No. 1).
- . PRODUCT METALLIC COATING COMPLIES WITH AS 1397-2021 : CONTINUOUS HOT-DIP METALLIC COATED STEEL SHEET AND STRP COATINGS OF ZINC AND ZINC ALLOYED WITH ALUMINUM AND MACRESUM & A.S./NZS 2728. 2013 PREFINSHED/PREPAINTED SHEET METAL PRODUCTS FOR INTERIOR/PREFINE BUILDING APPLICATIONS PERFORMACE REQUIREMENTS
- F. INTERPOLATION OF CAPACITY AND SPACING VALUES IS PERMITTED.
- G. DESIGN TABLES ARE BASED ON THE TEST RESULTS IN ACCORDANCE WITH NCC 2022 BUILDING CODE OF AUSTRALIA REDUIREMENTS FOR "LHL" CYCLONIC TEST FOR METAL ROOFS AND RELEVANT CLAUSES OF AS/NZS 4609: 2018 COLD-FORMED STEEL STRUCTURES.

Limitations

- ONLY FASTENERS NOTED ON THIS DICS CAN BE USED FOR FIXING, ALL FASTENERS ARE TO BE CLASS 4 IN ACCORDANCE TO AS 3566.2-2002 SELF-DRILLING SCREWS FOR THE BUILDING AND CONSTRUCTION INDUSTRIES PART 2: CORROSION RESISTANCE REQUIREMENTS.
- THE DATA IN THIS SHEET SHALL BE APPLICABLE TO KINGKLIP 700 ROOFING ONLY. PROFILE DIMENSIONS OF KINGKLIP 700 AS SUPPLIED FOR INSTALLATION SHALL COMPLY WITH KINGKLIP 700 PRODUCT DRAWINGS AS DEVELOPED BY PELOPERS.
- MAXIMUM KINGKLIP 700 ROOF LENGTHS AS RELATED TO RAINWATER CARRYING CAPACITY & ROOF PITCH SHALL BE DETERMINED USING THE FIELDERS ROOFING & WALLING MANUAL.
- https://specifying.fielders.com.au/roofing-walling/cyclonic/kingklip-700-cyclonic/#Rainfall_Capacity
- 4. MAXIMUM BATTEN SPACING TABLES ARE BASED ON MAXIMUM RODE HEIGHT (b) = 10M.
- Pz (PRESSURE) IN THE TABLES SHALL BE INCREASED ACCORDING TO AS/NZS 1170.2:2021 CLAUSE 5.4.1 WHERE h/d >= 0.5

Accepted for inclusion in Deemed to Comply Manual

- 6. INSTALLATION SHALL BE IN ACCORDANCE WITH FIELDERS KINGKLIP 700 DESIGN MANUAL:
- https://specifying.fielders.com.au/roofing-walling/cyclonic/kingklip-700-cyclonic/

SPAN III TIMATE LIMIT STATE LOAD (KN/m)

OLIMATE	ETHATE ENTI STATE COAD (ANY III)												
SPAN (mm)	MEMBER S (kN,		2 FASTENER CAPACITY (kN/m) SUPPORT THICKNESS (mm/bmt)				4 FASTENER CAPACITY (kN/m) SUPPORT THICKNESS (mm/bmt)						
	TS6175	TS6110	#14(M6.5)-12x30	14(M6.5)-12x30 #14-10×25 #			#14(M6.5)-12x30	#	14-10×25				
	1501/5	130110	1.0mm	1.2mm	1.5mm	1.9mm	1.0mm	1.2mm	1.5mm	1.9mm			
≤1500	4.31	5.88	1.90	2.48	3.10	4.12	2.67	3.59	4.52	5.41			
2000	2.68	2.91	1.43	1.86	2.33	3.09	2.01	2.69	3.39	4.06			
2500	1.48	2.17	1.14	1.49	1.86	2.47	1.60	2.16	2.71	3.25			
3000	1.13	1.66	0.95	1.24	1.55	2.06	1.34	1.80	2.26	2.71			
3500	0.94	1.20	0.82	1.06	1.33	1.76	1.15	1.54	1.94	2.32			
4000	0.74	0.94	0.71	0.93	1.16	1.54	1.00	1.35	1.69	2.03			

TS6175. TS6110 DESIGN CAPACITY TABLE - OUTWARD. CONTINUOUS/LAPPED

TS4075 DESIGN CAPACITY TABLE - OUTWARD, CONTINUOUS SPAN

ULTIMATE LIMIT STATE LOAD (kN/m)

OF ILLIA IE FILLI	ACTION IS CONTINUED ON THE CONTINUE CON											
SPAN (mm)	MEMBER STRENGTH kN/m	2 FASTEN SUPPORT				4 FASTENER CAPACITY (kN/m) SUPPORT THICKNESS (mm/bmt)						
		#14(M6.5)-12x30	#	14-10x25	5	#14(M6.5)-12x30	#14-10×25					
	TS4075	1.0mm	1.2mm	1.5mm	1.9mm	1.0mm	1.2mm	1.5mm	1.9mm			
≤ 600	7.98	5.51	7.19	8.99	11.93	7.75	10.41	13.09	15.69			
900	4.72	3.68	4.79	5.99	7.95	5.16	6.94	8.73	10.46			
1200	2.41	2.76	3.59	4.49	5.96	3.87	5.21	6.54	7.84			
1500	1.83	2.21	2.88	3.60	4.77	3.10	4.16	5.24	6.27			
1800	1.25	1.84	2.40	3.00	3.98	2.58	3.47	4.36	5.23			

Notes covering basis of DTC (Relevant test reports etc)

- REFER TO "TOPSPAN 61 ROOFING BATTENS FOR CYCLONIC REGIONS" & "TOPSPAN 4075 ROOFING BATTENS FOR CYCLONIC REGION FOR BATTEN" DTCM DRAWINGS FOR DIMENSIONS, SPACING, SPANS, CONNECTIONS DETAILS AND TEST REPORTS.
- . 'FULL SCALE TOPSPAN 4075,6110 RODFING BATTENS TESTING TO BUILDING CODES OF AUSTRALIA'S LOW-HIGH-LOW CYCLONIC TEST', REGIME. INDEX.
 No. 5.1.2 REPORT 04 AUGUST 2010 BLUFSCOPE LYSAGHT No. 27 STERLING RD MINCHINBURY 2770 AUSTRALIA.
- WITHDRAWAL CAPACITIES OF TOPSPAN BATTEN TO TIMBER SUPPORT CONNECTIONS USING BUILDEX BATTENZIPS M5.5 11 x 40 FASTENERS', INDEX No. 5.1.2 - REPORT 06. DECEMBER 2010. BLUESCOPE LYSAGHT No. 27 STERLING RD. MINCHINBURY 2770 AUSTRALIA.
- 4. 'PULLOUT CAPACITIES OF SCREW FASTENED CONNECTIONS THROUGH LYSAGHT TOPSPAN BATTENS TO STEEL PURLINS', INDEX No. 5.4.3 -REPORT 01, NOVEMBER 2010, BLUESCOPE LYSAGHT No. 27 STERLING RD, MINCHINBURY 2770 AUSTRALIA.

Checking Engineer

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Registration Number: MIE AUST. 3101165

Date: 26/02/2024

Signature:

Must be an Australian registered structural engineer

Certifying Engineer

Name: STEPHEN HEALEY

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Must be a registered structural engineer in the Northern Territo

Chairperson Signature:

DTCM drawing number:

Chairperson Name: Paul

Paul Nowland

M/379/02

Date of Approval: 19/03/2024 Expiry Date: 19/03/2029