

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

MAXIMUM BATTEN SPACING (mm)

BUILDING HEIGHT	TERRAIN CATEGORY	K1	pz (kPa)	TS6175								TS6110																															
				BATTEN SPAN (SUPPORT SPACING), mm								BATTEN SPAN (SUPPORT SPACING), mm																															
				≤1500	2000	2500	3000	3500	4000	≤1500	2000	2500	3000	3500	4000																												
UP TO 5M	1	1	4.57	785	585	320	245	205	N/A	785	585	470	360	260	205	1.5	5.86	610	455	250	N/A	N/A	N/A	610	455	365	280	200	N/A	3	9.72	365	275	N/A	N/A	N/A	N/A	365	275	220	N/A	N/A	N/A
		2	3.44	1040	775	430	325	270	215	1040	780	625	480	345	270	1.5	4.40	815	605	335	255	210	N/A	815	610	490	375	270	210	3	5.37	665	495	275	210	N/A	N/A	665	500	400	305	220	N/A
		3	7.30	490	365	200	N/A	N/A	N/A	490	365	295	225	N/A	N/A	2	6.67	535	400	220	N/A	N/A	N/A	535	400	320	245	N/A	N/A	3	3.49	1025	765	420	320	265	210	1025	770	615	475	340	265
	2	1	3.44	1040	775	430	325	270	215	1040	780	625	480	345	270	1.5	4.02	890	665	365	280	230	N/A	890	665	535	410	295	230	3	4.91	730	545	300	230	N/A	N/A	730	545	435	335	240	N/A
		2	5.37	665	495	275	210	N/A	N/A	665	500	400	305	220	N/A	2	6.67	535	400	220	N/A	N/A	N/A	535	400	320	245	N/A	N/A	3	2.86	1255	935	515	395	325	255	1255	940	755	580	415	325
		3	6.07	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A	1.5	3.66	980	730	400	305	255	200	980	730	590	450	325	255														
	2.5	1	2.86	1255	935	515	395	325	255	1255	940	755	580	415	325	2	4.47	800	595	330	250	210	N/A	800	600	480	375	275	210	3	6.07	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A
		2	6.07	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A	2	4.47	800	595	330	250	210	N/A	800	600	480	375	275	210	3	2.33	1540	1150	635	480	400	315	1540	1150	925	710	515	400
		3	2.99	1200	895	490	375	310	245	1200	895	725	555	400	310	2	3.65	980	730	405	305	255	200	980	735	590	450	325	255														
	3	1	2.33	1540	1150	635	480	400	315	1540	1150	925	710	515	400	1.5	2.99	1200	895	490	375	310	245	1200	895	725	555	400	310	3	4.96	720	540	295	225	N/A	N/A	720	540	435	330	240	N/A
		2	3.65	980	730	405	305	255	200	980	735	590	450	325	255	1.5	2.99	1200	895	490	375	310	245	1200	895	725	555	400	310	2	3.65	980	730	405	305	255	200	980	735	590	450	325	255
		3	4.96	720	540	295	225	N/A	N/A	720	540	435	330	240	N/A	1.5	2.99	1200	895	490	375	310	245	1200	895	725	555	400	310														
UP TO 10M	1	1	5.20	690	515	380	215	N/A	N/A	690	515	415	315	230	N/A	1.5	6.67	535	400	220	N/A	N/A	N/A	535	400	320	245	N/A	N/A	3	11.06	320	240	N/A	N/A	N/A	N/A	320	240	N/A	N/A	N/A	N/A
		2	8.13	440	325	N/A	N/A	N/A	N/A	440	330	265	200	N/A	N/A	1.5	5.37	665	500	275	210	N/A	N/A	670	505	405	310	225	N/A	2	6.47	800	595	330	250	210	N/A	800	600	480	375	275	210
		3	11.06	320	240	N/A	N/A	N/A	N/A	320	240	N/A	N/A	N/A	N/A	2	6.47	800	595	330	250	210	N/A	800	600	480	375	275	210	3	3.51	1020	760	420	320	265	210	1020	765	615	470	340	265
	2	1	4.15	815	645	355	270	225	N/A	865	645	520	400	285	225	1.5	5.37	665	500	275	210	N/A	N/A	670	505	405	310	225	N/A	3	8.13	440	325	N/A	N/A	N/A	N/A	440	330	265	200	N/A	N/A
		2	6.47	800	595	330	250	210	N/A	800	600	480	375	275	210	2	6.47	800	595	330	250	210	N/A	800	600	480	375	275	210	3	4.15	815	645	355	270	225	N/A	865	645	520	400	285	225
		3	8.13	440	325	N/A	N/A	N/A	N/A	440	330	265	200	N/A	N/A	1.5	5.37	665	500	275	210	N/A	N/A	670	505	405	310	225	N/A														
	2.5	1	3.51	1020	760	420	320	265	210	1020	765	615	470	340	265	2	4.50	795	595	325	250	205	N/A	795	595	480	365	265	205	3	7.46	480	355	N/A	N/A	N/A	N/A	480	360	285	220	N/A	N/A
		2	4.50	795	595	325	250	205	N/A	795	595	480	365	265	205	2	4.50	795	595	325	250	205	N/A	795	595	480	365	265	205	3	2.86	1255	935	515	395	325	255	1255	940	755	580	415	325
		3	6.07	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A	1.5	3.66	980	730	400	305	255	200	980	730	590	450	325	255														
	3	1	2.86	1255	935	515	395	325	255	1255	940	755	580	415	325	2	4.47	800	595	330	250	210	N/A	800	600	480	375	275	210	3	6.07	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A
		2	6.07	590	440	240	N/A	N/A	N/A	590	440	355	270	N/A	N/A	1.5	3.66	980	730	400	305	255	200	980	730	590	450	325	255														
		3	8.13	440	325	N/A	N/A	N/A	N/A	440	330	265	200	N/A	N/A	2	4.47	800	595	330	250	210	N/A	800	600	480	375	275	210														
4	1	2.33	1540	1150	635	480	400	315	1540	1150	925	710	515	400	1.5	2.99	1200	895	490	375	310	245	1200	895	725	555	400	310	3	4.96	720	540	295	225	N/A	N/A	720	540	435	330	240	N/A	
	2	3.65	980	730	405	305	255	200	980	735	590	450	325	255	2	3.65	980	730	405	305	255	200	980	735	590	450	325	255															
	3	4.96	720	540	295	225	N/A	N/A	720	540	435	330	240	N/A	1.5	2.99	1200	895	490	375	310	245	1200	895	725	555	400	310															

DESIGN CAPACITY TABLE - OUTWARD, CONTINUOUS/LAPPED SPAN *

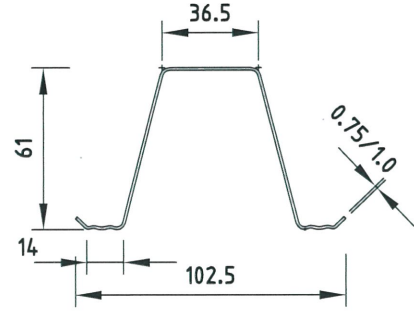
SPAN (mm)	MEMBER STRENGTH (kN/m)	ULTIMATE LIMIT STATE LOAD (kN/m)								
		2 FASTENER CAPACITY (kN/m) SUPPORT THICKNESS (mm/bmt)				4 FASTENER CAPACITY (kN/m) SUPPORT THICKNESS (mm/bmt)				
		#14(M6.5)-12x30	#14-10x25	#14(M6.5)-12x30	#14-10x25	#14(M6.5)-12x30	#14-10x25	#14(M6.5)-12x30	#14-10x25	
≤1500	4.31	5.81	1.90	2.48	3.10	4.12	2.67	3.59	4.52	5.41
2000	2.68	3.71	1.43	1.86	2.33	3.09	2.01	2.69	3.39	4.06
2500	1.96	2.17	1.14	1.49	1.86	2.47	1.60	2.16	2.71	3.25
3000	1.1	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

DESIGN CAPACITY TABLE NOTES:

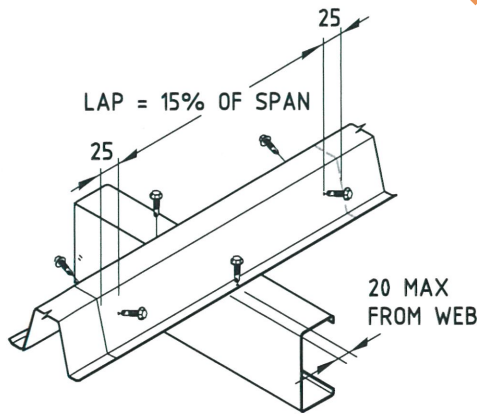
- STEEL SUPPORT FASTENER SPECIFICATION:
 - 1.00mm BMT: #14(M6.5)-12X30 CYCLONIC ROOF ZIPS®
 - 1.20~1.9mm BMT: #14-10X25 HEX. HEAD SELF DRILLING SELF TAPPING TEKS®
 - 'BUILDEX' M6.5-12X30 CYCLONIC ROOF ZIPS = #14-12X30 CYCLONIC ROOF ZIPS
- TIMBER SUPPORT FASTENER SPECIFICATION: 'BUILDEX' #12(M5.5)-11x40 BATTENZIPS
- DESIGN CAPACITY TABLE CAN BE USED TO DESIGN 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.
- * BATTEN 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.

BATTEN SPACING TABLE NOTES:

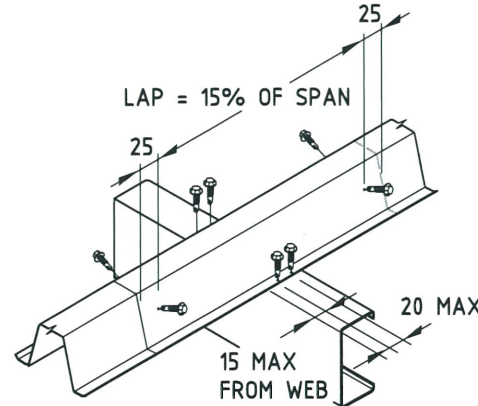
- MAXIMUM SPACING COULD BE GOVERNED BY CAPACITY OF BATTENS AND THEIR CONNECTIONS TO SUPPORTING RAFTERS/TRUSSES AS WELL AS PULL-OUT CAPACITIES OF FASTENERS CONNECTING LYSAGHT CLADDINGS TO BATTEN.
- SPACING OF BATTENS SHALL NOT EXCEED MAXIMUM SPACING OF CLADDING AS GIVEN IN THE RELEVANT DTCM ROOFING DRAWINGS.
- FASTENER REQUIREMENTS FOR FIXING BATTEN 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
- METAL ROOFING FASTENER: REFER TO THE RELEVANT DTCM ROOFING DRAWINGS FOR ROOFING FASTENER FIXING REQUIREMENTS.



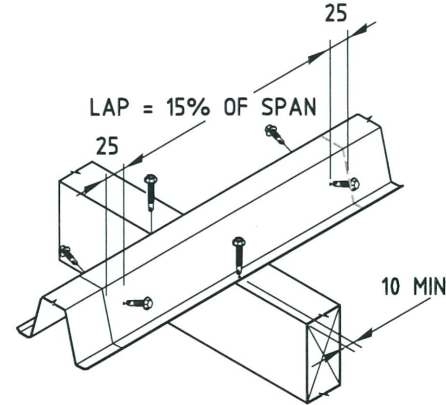
TOPSPAN 61 PROFILE



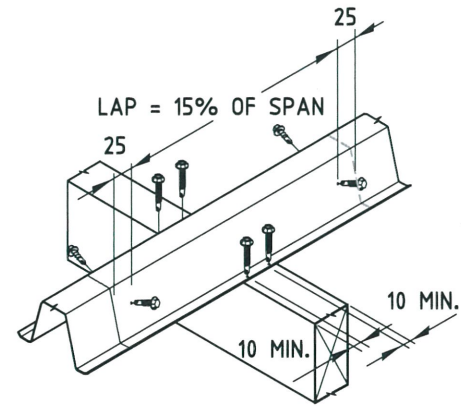
**2 SCREWS
BATTEN TO STEEL CONNECTION & LAPPING REQUIREMENT**



4 SCREWS



2 SCREWS



4 SCREWS

BATTEN TO TIMBER CONNECTION & LAPPING REQUIREMENT

NOTES COVERING BASIS OF DTCM SHEET (RELEVANT TEST REPORTS ETC)

- 'FULL SCALE TOPSPAN 4075,6175,6110 ROOFING BATTENS TESTING TO BUILDING CODES OF AUSTRALIA'S LOW-HIGH-LOW CYCLONIC TEST', REGIME. INDEX No. 5.1.2 - REPORT 04, AUGUST 2010, BLUESCOPE 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.
- 'PULLOUT CAPACITIES OF SCREW FASTENED CONNECTIONS THROUGH LYSAGHT TOPSPAN BATTENS TO STEEL PURLSINS', INDEX No. 5.4.3 - REPORT 01, NOVEMBER 2010, BLUESCOPE LYSAGHT No. 27 STERLING RD, MINCHINBURY 2770 AUSTRALIA.

****Checking Engineers Certification**

Name: KAVITHA MYSORE
 Rego. Number: MIE AUST. 2089547
 Date: 04/04/2017
 Signature: *M.K. Kavitha*
 **registered as a structural engineer in Australia

****Certifying Engineers Certification**

Name: STEPHEN HEALEY
 NT Registration Number: 34856ES
 Date: 11/04/2017
 Signature: *Stephen Healey*
 **registered as a structural engineer in Northern Territory

Product Name
TOPSPAN 61 - ROOFING BATTEN FOR CYCLONIC REGIONS

Product Description
 TOPSPAN 6175 (TS6175) IS MANUFACTURED FROM 0.75mm BMT G550, AM125 ZINCALUME STEEL. TOPSPAN 6110 (TS6110) IS MANUFACTURED FROM 1.0mm BMT G550, AM125 ZINCALUME STEEL.

Manufacturer's Name
FIELDERS AUSTRALIA PTY LTD
 15 RAILWAY TERRACE, MILE END SOUTH
 S.A. 5031



- Design Criteria**
- TOPSPAN 61 COMPLIES WITH AUSTRALIAN STANDARDS FOR THE FOLLOWING REQUIREMENTS:
- WIND LOADING: AS/NZS 1170.2: 2011 STRUCTURAL DESIGN ACTIONS PART 2: WIND ACTION (INCORPORATING AMENDMENT No. 1, 2 & 3)
 WIND LOAD DESIGN CRITERIA:
 1. IMPORTANCE LEVEL 2 WITH RETURN PERIOD OF 500 YEARS
 2. WIND REGION 'C', VR = 66xFc = 66x1.05