Stramit
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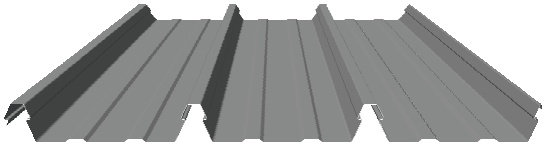
STRAMIT®
CYCLONIC AREAS
ROOF & WALL CLADDING

Product Technical Design Supplement

Part of Fletcher Building

CYCLONIC AREAS ROOF & WALL CLADDING



Stramit Speed Deck Ultra®

Stramit® Corrugated

Stramit CapacityPLUS™ 660

Stramit SharpLine®
Direct fix

Stramit SharpLine®
Clip fix

Stramit Monoclad®

Stramit Mini Corry®

Stramit Longspan®

Stramit Premier300™

IMPORTANT NOTICE AND DISCLAIMER

SELECTION & SPECIFICATION

INTRODUCTION

Stramit® Cyclonic roof and wall cladding products are the ideal solution for regions that experience these demanding conditions. Stramit® cyclonic cladding provides outstanding strength and serviceability as well as peace of mind, without detracting from the attractive appearance of Stramit® cladding profiles.

Additional information can be found for all products in the specific Product Technical manuals.

MATERIALS

Stramit® cladding is manufactured from hi-tensile G550 or G300 colour coated steel, aluminium/zinc/magnesium or zinc/aluminium alloy coated steel. Colour coated steels are in accordance with AS/NZS 2728 - category 3 and for the substrate, with AS1397. Aluminium/zinc/magnesium alloy coated AM100/AM125 and zinc/aluminium alloy coated AZ150 conform to AS1397.

Stramit has a comprehensive range of colours available. Ask your nearest Stramit Building Products location for colour availability on the profile of your choice.

ROOF AND WALL PROFILES

The following Stramit® products are intended for use as either wall or roof cladding in cyclonic areas. For comprehensive details of these products, including specifications, alternative thicknesses and installation, refer to the product technical manual for each profile.

ROOF AND WALLING PRODUCTS		
	Roofing	Walling
Stramit Speed Deck Ultra®	✔	✘
Stramit CapacityPLUS™ 660	✔	✘
Stramit Monoclad®	✔	✔
Stramit Longspan®	✔	✔
Stramit® Corrugated	✔	✔
Stramit SharpLine®	✘	✔
Stramit Mini Corry®	✘	✔
Stramit Premier300™	✘	✔

Stramit® cladding is intended for use in commercial, industrial and residential roof or wall cladding applications. Do not use for any other purpose.

TESTING

Ongoing research and development activity also ensures that Stramit® products are tested and or witnessed by independent organisations. These include the Cyclone Testing Station (James Cook University) and the University of Adelaide.

The wind pressure capacities stated in this brochure are based on the testing regimes described in AS1562.1, AS4040.3 and LHL (low-high-low) tests from the NCC. The requirements for cyclonic regions within Australia are covered by these regimes.

CYCLONE TESTING STATION

Stramit Building Products has been a supporter of the North Queensland based Cyclone Testing Station for more than 25 years. This ensures that Stramit is in touch with the latest technical issues associated with tropical cyclone design.

DARWIN DEEMED-TO-COMPLY

Please contact your nearest Stramit Building Products branch for data tables or other information on the use of sheeting in this region. Alternatively refer to the NT BAC website www.bac.nt.gov.au/manual for access to the Deemed-to-Comply Manual.

ARCHITECTURAL SPECIFICATIONS

It is important to ensure that products of appropriate quality are used in construction. Specifications for each Stramit® sheeting product are contained on the Stramit Building Products website and can easily be downloaded to your documentation.

ADVERSE CONDITIONS

Stramit® roof and wall cladding will give excellent durability in almost all locations. It is however important to choose the correct coating for each application environment as shown in the table below. Durability recommendations do vary based on the application of the product, in roofing or walling installations. Please read the tables below carefully.

Suitability of coating type	Roof sheeting - site exposure condition			Wall cladding- distance from marine environment
	mild/ moderate	severe marine	very severe marine	
Zinc-Aluminium (AZ150)	✔	✘	✘	>1km
ZINCALUME® (AM125)	✔	✘	✘	>1km
COLORBOND® STEEL	✔	✘	✘	>1km
COLORBOND® METALLIC STEEL	✔	✘	✘	>1km*
COLORBOND® ULTRA STEEL	N/A	✔	✘	>500m
COLORBOND® STAINLESS STEEL	N/A	N/A	✔	>0m

* >2km residential buildings
The approximate site exposure conditions in the table above are defined below.

Site exposure condition	Roof sheeting - distance of site from	
	breaking surf/exposed marine	calm marine
mild/moderate	>200m	>100m
severe marine	>100m	>0m
very severe marine	>0m	>0m

The suitability and exposure tables above are current at the time of publication and are guidelines only; conditions will vary from site to site. Please check the Bluescope Technical Bulletins at www.bluescopesteel.com.au for the latest information and guidance on selection, maintenance and durability. If uncertain about the appropriate coating for a particular application, or if the product is to be used in environments affected by industrial emissions, fossil fuel combustion, animal farming, or has unwashed areas, please contact your nearest Stramit office for advice.

MAXIMUM SPAN CHART FOR CREST/CLIP FIXED ROOFING WITHOUT CYCLONE ASSEMBLIES (mm) - (CYCLONIC)									
			roofs					overhangs	
			pressure (kPa)						
Roof cladding	thickness bmt (mm)	fasteners per sheet per support	serviceability	strength*	double span	equal span	internal (end) span combination	free edge	stiffened edge
C1 or REGION C, TC3, FS									
Speed Deck Ultra®	0.42	1 clip	1.19	3.38	1500	1600	1700(1350)	150	450
	0.48	1 clip	1.19	3.38	1500	1650	1750(1400)	150	450
Monoclad®	0.42	4	1.19	3.38	700	800	900(700)	100	200
	0.48	4	1.19	3.38	850	950	1050(800)	100	250
Stramit Longspan®	0.42	4	1.19	3.38	650	750	850(650)	100	250
		5	1.19	3.38	850	950	1000(800)	100	250
	0.48	4	1.19	3.38	850	1000	1050(800)	150	250
		5	1.19	3.38	950	1050	1100(850)	150	250
Stramit® Corrugated	0.42	5	1.19	3.38	900	900	1100(850)	100	250
	0.48	5	1.19	3.38	1200	1200	1450(1150)	100	300
	0.60	5	1.19	3.38	900	900	1050(800)	100	250
C2 or REGION C, TC2.5, PS									
Speed Deck Ultra®	0.42	1 clip	1.70	5.02	1050	1200	1350(1050)	100	250
	0.48	1 clip	1.70	5.02	1050	1200	1300(1000)	150	350
Monoclad®	0.42	4	1.70	5.02	500	550	550(400)	50	150
	0.48	4	1.70	5.02	550	600	700(550)	100	150
Stramit Longspan®	0.42	4	1.70	5.02	-	500	550(400)	100	150
		5	1.70	5.02	500	600	700(550)	100	150
	0.48	4	1.70	5.02	550	600	700(550)	100	200
		5	1.70	5.02	650	750	800(600)	100	200
Stramit® Corrugated	0.42	5	1.70	5.02	650	700	800(600)	100	200
	0.48	5	1.70	5.02	900	1000	1100(850)	100	250
	0.60	5	1.70	5.02	650	700	800(600)	100	200
C3 or REGION C, TC1.5, NS									
Speed Deck Ultra®	0.42	1 clip	2.44	7.39	550	750	900(700)	100	250
	0.48	1 clip	2.44	7.39	600	800	950(750)	150	350
Monoclad®	0.48	4	2.44	7.39	-	450	450(350)	100	150
Stramit Longspan®	0.48	5	2.44	7.39	450	500	550(400)	100	200
Stramit® Corrugated	0.42	5	2.44	7.39	450	500	550(400)	100	200
	0.48	5	2.44	7.39	550	650	750(600)	100	250
	0.60	5	2.44	7.39	450	500	550(400)	100	200

* Pressure at edge of roof with local pressure factor of 2. Corner areas with local pressure factor of 3 may require reduced spans or increased fixing.

Internal spans should have both end spans 20% shorter. TC - Terrain category. FS, PS, NS - Full, partial and no shielding. Internal pressure coefficient +0.7. **Values are only valid for use with steel members of 1.5mm or thicker.**

For more specific applications, cladding must be designed to the pressure and foot traffic limitations given in the following pages of this brochure.

MAXIMUM SPAN CHART FOR CREST FIXED ROOFING WITH CYCLONE ASSEMBLIES (mm) - (CYCLONIC)

Roof cladding	thickness bmt (mm)	fasteners per sheet per support	roofs: pressure (kPa) serviceability	roofs: pressure (kPa) strength*	roofs: double span	roofs: equal span	roofs: internal (end) span combination	overhangs: free edge	overhangs: stiffened edge
C1 or REGION C, TC3, FS									
Stramit CapacityPLUS™ 660	0.42	3	1.19	3.38	1700	1900	2050(1600)	150	400
	0.48	3	1.19	3.38	1950	2100	2250(1800)	150	250
Monoclad®	0.42	4	1.19	3.38	1350	1350	1700(1350)	150	400
	0.48	4	1.19	3.38	1700	1700	2100(1650)	150	450
Stramit Longspan®	0.42	4	1.19	3.38	1450	1550	1650(1300)	150	400
		5	1.19	3.38	1550	1650	1750(1400)	150	400
	0.48	4	1.19	3.38	1800	2050	2100(1650)	150	400
		5	1.19	3.38	1850	2050	2100(1650)	150	400
Stramit® Corrugated	0.42	5	1.19	3.38	900	900	1200(900)	100	250
	0.48	5	1.19	3.38	1200	1200	1600(1200)	150	350
	0.60	5	1.19	3.38	900	900	1200(900)	100	250
C2 or REGION C, TC2.5, PS									
Stramit CapacityPLUS™ 660	0.42	3	1.70	5.02	750	950	1200(950)	100	150
	0.48	3	1.70	5.02	1450	1600	1750(1400)	100	150
Monoclad®	0.42	4	1.70	5.02	1100	1200	1250(1000)	150	350
	0.48	4	1.70	5.02	1400	1550	1650(1300)	150	350
Stramit Longspan®	0.42	4	1.70	5.02	1150	1250	1300(1000)	100	300
		5	1.70	5.02	1150	1300	1350(1050)	100	300
	0.48	4	1.70	5.02	1300	1450	1550(1200)	150	350
		5	1.70	5.02	1300	1450	1600(1250)	150	350
Stramit® Corrugated	0.42	5	1.70	5.02	900	900	1200(900)	100	250
	0.48	5	1.70	5.02	1200	1200	1600(1200)	100	300
	0.60	5	1.70	5.02	900	900	1150(900)	100	250
C3 or REGION C, TC1.5, NS									
Stramit CapacityPLUS™ 660	0.42	3	2.44	7.39	-	450	550(400)	100	150
	0.48	3	2.44	7.39	600	1000	1200(950)	100	150
Monoclad®	0.42	4	2.44	7.39	800	900	950(750)	150	350
	0.48	4	2.44	7.39	950	1100	1200(950)	150	350
Stramit Longspan®	0.42	4	2.44	7.39	800	950	1000(800)	100	300
		5	2.44	7.39	800	950	1000(800)	100	300
	0.48	4	2.44	7.39	900	1000	1150(900)	150	350
		5	2.44	7.39	950	1050	1150(900)	150	350
Stramit® Corrugated	0.42	5	2.44	7.39	800	900	950(750)	100	250
	0.48	5	2.44	7.39	950	1050	1150(900)	100	300
	0.60	5	2.44	7.39	600	700	750(600)	100	250
C4 or REGION D, TC1.5, PS									
Monoclad®	0.42	4	3.27	9.98	600	650	750(600)	150	300
	0.48	4	3.27	9.98	600	750	900(700)	150	350
Stramit Longspan®	0.42	4	3.27	9.98	550	650	750(600)	100	300
		5	3.27	9.98	550	650	750(600)	100	300
	0.48	4	3.27	9.98	600	700	800(600)	150	350
		5	3.27	9.98	600	750	900(700)	150	350
Stramit® Corrugated	0.42	5	3.27	9.98	600	650	750(600)	100	250
	0.48	5	3.27	9.98	650	800	900(700)	100	300

* Pressure at edge of roof with local pressure factor of 2. Corner areas with local pressure factor of 3 may require reduced spans or increased fixing.

Internal spans should have both end spans 20% shorter. TC - Terrain category. FS, PS, NS - Full, partial and no shielding. Internal pressure coefficient +0.7. **Values are only valid for use with steel members of 1.5mm or thicker.**

For more specific applications, cladding must be designed to the pressure and foot traffic limitations given in the following pages of this brochure.

MAXIMUM SPAN CHART FOR PAN FIXED WALLING (mm) (CYCLONIC)									
			walls					overhangs	
			pressure (kPa)						
Wall cladding	thickness bmt (mm)	fasteners per sheet per support	serviceability	strength*	double span	equal span	internal (end) span combination	free edge	stiffened edge
C1 or REGION C, TC3, FS									
Monoclad®	0.42	4	0.89	2.70	1300	1400	1550(1200)	100	250
	0.48	4	0.89	2.70	1350	1500	1750(1400)	100	250
Stramit Longspan®	0.42	4	0.89	2.70	1400	1600	1750(1400)	100	250
	0.48	4	0.89	2.70	1550	1750	2100(1650)	100	250
Stramit® Corrugated	0.42	5	0.89	2.70	1550	1600	1800(1400)	100	250
	0.48	5	0.89	2.70	1500	1500	1500(1200)	100	250
SharpLine® direct fixed 290 cover#	0.55	1	0.89	2.70	600	650	700(550)	50	150
SharpLine® direct fixed 265 cover#	0.55	1	0.89	2.70	600	650	650(500)	50	150
SharpLine® clip fixed 320 cover#	0.55	1 clip	0.89	2.70	450	600	650(500)	50	150
SharpLine® clip fixed 285 cover#	0.55	1 clip	0.89	2.70	600	700	800(600)	50	150
Stramit Premier 300™	0.55	1	0.89	2.70	600	600	600(450)	50	150
Mini Corry®	0.42	7	0.89	2.70	900	900	900(700)	100	250
	0.48	7	0.89	2.70	900	900	900(700)	100	250
C2 or REGION C, TC2.5, PS									
Monoclad®	0.42	4	1.27	4.02	1000	1100	1150(900)	100	250
	0.48	4	1.27	4.02	1050	1150	1200(950)	100	250
Stramit Longspan®	0.42	4	1.27	4.02	900	1050	1150(900)	100	250
	0.48	4	1.27	4.02	1150	1250	1350(1050)	100	250
Stramit® Corrugated	0.42	5	1.27	4.02	1150	1250	1400(1100)	100	250
	0.48	5	1.27	4.02	1300	1450	1500(1200)	100	250
SharpLine® direct fixed 290 cover#	0.55	1	1.27	4.02	-	-	450(350)	50	150
SharpLine® clip fixed 285 cover#	0.55	1 clip	1.27	4.02	-	450	500(400)	50	150
Stramit Premier 300™	0.55	1	1.27	4.02	450	450	450(350)	50	150
Mini Corry®	0.42	7	1.27	4.02	700	750	800(600)	100	250
	0.48	7	1.27	4.02	750	800	850(650)	100	250
C3 or REGION C, TC1.5, NS									
Monoclad®	0.42	4	1.83	5.91	700	800	900(700)	100	250
	0.48	4	1.83	5.91	750	850	900(700)	100	250
Stramit Longspan®	0.42	4	1.83	5.91	600	700	800(600)	100	250
	0.48	4	1.83	5.91	750	900	950(750)	100	250
Stramit® Corrugated	0.42	5	1.83	5.91	850	950	1000(800)	100	250
	0.48	5	1.83	5.91	950	1050	1150(900)	100	250
Mini Corry®	0.42	7	1.83	5.91	500	550	600(450)	100	250
	0.48	7	1.83	5.91	600	650	700(550)	100	250
C4 or REGION D, TC1.5, PS									
Monoclad®	0.42	4	2.45	7.99	500	600	650(500)	100	250
	0.48	4	2.45	7.99	500	600	650(500)	100	250
Stramit Longspan®	0.42	4	2.45	7.99	450	500	550(400)	100	250
	0.48	4	2.45	7.99	500	600	650(500)	100	250
Stramit® Corrugated	0.42	5	2.45	7.99	650	700	800(600)	100	250
	0.48	5	2.45	7.99	650	800	900(700)	100	250
Mini Corry®	0.48	7	2.45	7.99	450	500	550(400)	100	250

* Pressure at edge of roof with local pressure factor of 2.

Internal spans should have both end spans 20% shorter. TC - Terrain category. FS, PS, NS - Full, partial and no shielding. Internal pressure coefficient +0.7. **Values are only valid for use with steel members of 1.5mm or thicker. # SharpLine® values are valid for fixing to 0.75mm thick cyclonic battens.**

SharpLine® sheet ends must be stitched together with a rivet. All direct fixed product must have a rectangular SharpLine® cyclonic washer as well as the screw. # Deflection under wind pressure not accounted for. If checking for this limit, please refer to serviceability pressures given in the relevant wind pressure table. # Higher capacities available for SharpLine® direct fixed product where visible fasteners are used in pan. Please contact Stramit for advice.

For more specific applications, cladding must be designed to the pressure limitations given in the following pages of this brochure.

STRAMIT® ROOF BATTENS

Stramit® Roof Battens can be used with metal sheeting. The relevant performance can be obtained from the following sections.

DARWIN DEEMED-TO-COMPLY

Information on the use of the Stramit® Cyclonic Roof Batten in the Darwin area can be found in the deemed to comply sheet M/716 in the Darwin Area Manual.

These sheets can also be obtained from the local Stramit Building Products office or directly from the website www.bac.nt.gov.au/manual. Each application must conform to the specific details outlined in Design Data Sheets.

STRAMIT® 0.75 CYCLONIC ROOF BATTEN

Three or more equal spans for sheeting - Local pressure zones * - Maximum batten spacing (mm)

AS4055 wind class	Serviceability Wind Pressure (kPa)	Strength Wind Pressure (kPa)	Truss spacing (mm), fastening and truss material								Stramit® sheeting thickness bmt (mm) & fasteners per sheet per support																			
											No 14-10x50 Type 17 screws										Buildex® 15 - 15 x 41 Batten Tek or M6 - 11 x 50 RoofZip											
			2 No 14 screws into 1.5mm G450 or 2 no 12 Type 17's into timber or equivalent				2 No 12 screws into 1.2mm G450 or equivalent				Stramit® Corrugated						Monoclad®				Stramit® Corrugated						Monoclad®				Stramit® Longspan			
											0.42		0.48		0.6		0.42		0.48		0.42		0.48		0.6		0.42		0.48		0.42		0.48	
			450	600	900	1200	450	600	900	1200	5 screws	5 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	4 screws	4 assy with caps	4 screws	4 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	4 screws	4 assy with caps	4 screws	4 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps
C1	1.11	3.38	1850	1380	920	690	1420	1060	710	530	900	900	1200	1200	900	900	800	1350	950	1400	900	900	1150	1150	900	900	800	900	900	900	950	1250	1050	1250
C2	1.64	5.02	1240	930	620	460	950	710	470	350	700	900	1000	1200	700	900	550	950	600	950	700	750	750	750	700	750	550	600	600	600	600	850	750	850
C3	2.39	7.39	840	630	420	310	650	480	320	-	500	800	650	800	500	700	-	650	450	650	500	500	500	500	500	500	-	-	-	-	-	550	500	550
C4	3.27	9.98	620	470	310	-	480	360	-	-	-	600	450	600	-	-	-	450	-	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Internal spans for sheeting - Local pressure zones * - Maximum batten spacing (mm)

AS4055 wind class	Serviceability Wind Pressure (kPa)	Strength Wind Pressure (kPa)	Truss spacing (mm), fastening and truss material								Stramit® sheeting thickness bmt (mm) & fasteners per sheet per support																			
											No 14-10x50 Type 17 screws										Buildex® 15 - 15 x 41 Batten Tek or M6 - 11 x 50 RoofZip											
			2 No 14 screws into 1.5mm G450 or 2 no 12 Type 17's into timber or equivalent				2 No 12 screws into 1.2mm G450 or equivalent				Stramit® Corrugated						Monoclad®				Stramit® Corrugated						Monoclad®				Stramit® Longspan			
											0.42		0.48		0.6		0.42		0.48		0.42		0.48		0.6		0.42		0.48		0.42		0.48	
			450	600	900	1200	450	600	900	1200	5 screws	5 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	4 screws	4 assy with caps	4 screws	4 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	4 screws	4 assy with caps	4 screws	4 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps
C1	1.11	3.38	1850	1380	920	690	1420	1060	710	530	1100	1200	1450	1600	1050	1200	900	1550	1050	1550	1100	1200	1250	1250	1050	1200	900	1000	1000	1000	1000	1350	1100	1350
C2	1.64	5.02	1240	930	620	460	950	710	470	350	800	1200	1100	1300	800	1150	550	1050	700	1050	800	850	850	850	800	850	550	650	650	650	700	900	800	900
C3	2.39	7.39	840	630	420	310	650	480	320	-	550	900	750	900	550	750	450	700	450	700	550	550	550	550	550	550	450	450	450	450	-	600	550	600
C4	3.27	9.98	620	470	310	-	480	360	-	-	-	650	500	650	-	500	-	500	-	500	-	-	-	-	-	-	-	-	-	-	-	450	-	450

Note: Internal sheeting spans should have both end spans 20% shorter.

Internal spans for sheeting - Internal pressure areas - Maximum batten spacing (mm)

AS4055 wind class	Serviceability Wind Pressure (kPa)	Strength Wind Pressure (kPa)	Truss spacing (mm), fastening and truss material								Stramit® sheeting thickness bmt (mm) & fasteners per sheet per support																			
											No 14-10x50 Type 17 screws										Buildex® 15 - 15 x 41 Batten Tek or M6 - 11 x 50 RoofZip											
			2 No 14 screws into 1.5mm G450 or 2 no 12 Type 17's into timber or equivalent				2 No 12 screws into 1.2mm G450 or equivalent				Stramit® Corrugated						Monoclad®				Stramit® Corrugated						Monoclad®				Stramit® Longspan			
											0.42		0.48		0.6		0.42		0.48		0.42		0.48		0.6		0.42		0.48		0.42		0.48	
			450	600	900	1200	450	600	900	1200	5 screws	5 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	4 screws	4 assy with caps	4 screws	4 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps	4 screws	4 assy with caps	4 screws	4 assy with caps	5 screws	5 assy with caps	5 screws	5 assy with caps
C1	0.61	2.16	2000	2000	1440	1080	2000	1660	1110	830	1200	1200	1600	1600	1200	1200	1550	1700	1900	2100	1200	1200	1600	1600	1200	1200	1550	1600	1600	1600	1400	2100	1850	2100
C2	0.90	3.21	1950	1460	970	730	1490	1120	740	560	1150	1200	1500	1600	1100	1200	950	1650	1100	1650	1150	1200	1300	1300	1100	1200	950	1050	1050	1050	1050	1450	1150	1450
C3	1.31	4.73	1320	990	660	490	1010	760	500	380	850	1200	1150	1400	850	1200	600	1100	750	1100	850	900	900	900	850	900	600	700	700	700	750	950	850	950
C4	1.80	6.39	980	730	490	360	750	560	370	-	600	1000	900	1000	600	900	500	800	550	800	600	650	650	650	600	650	500	500	500	500	500	700	650	700

* Local pressure zones in tables are valid for local pressure factor of 2. In corner areas with higher local pressure factors, spans or spacing may have to be reduced or fixing increased.
Note: Internal sheeting spans should have both end spans 20% shorter.

Notes to tables

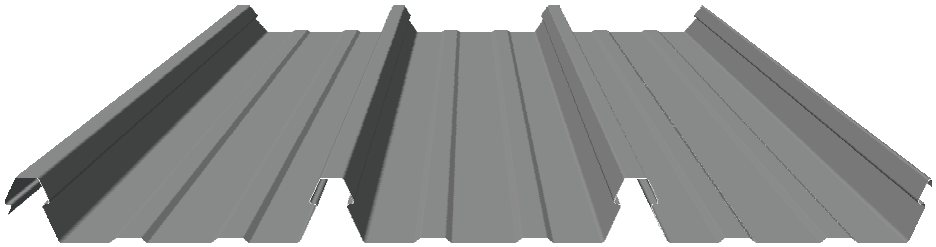
Design screw pull out values from battens assumed to be 1.02kN (Type 17s) and 0.66kN (Batten teks and Zips) for crest fixed fasteners at strength limit state.
If the roofing screws do not meet this requirement, the roof sheeting spans may need to be reduced.
Note that at the truss spacing (batten spans) shown foot traffic loads to NASH Standard Part 1 have been accounted for.
Tables based on testing to the LHL regime.
All batten spans and spacings (sheeting spans) shown are for three or more spans.
Strength limit-state pressures in accordance with AS4055, with K_l = 2.0 in local pressure areas. Shorter spans, closer spacing or more fixing may be required in corner areas where local pressure factor K_l=3.0
All other information including fastener details as per this manual.

Spacing may be limited by truss selection - see left-hand columns
Spacing will be limited by truss selection - see left-hand columns
Spacing may be limited by sheeting selection - see right-hand columns
Spacing will be limited by sheeting selection - see right-hand columns

STRAMIT® TOP HATS

Where Top Hats are to be used as supports, please contact your local Stramit office for further technical information.

STRAMIT® SPEED DECK ULTRA



APPLICATIONS

The visual appeal, strength, wide cover, light weight and weather-resistance of Stramit Speed Deck Ultra® concealed fixed decking make it perfect for all commercial roofing applications. Its excellent strength and ease of installation allow for long, economical spans.

The large water-carrying capacity and weather-tightness permit very low roof pitches, leading to economies in the building structure.

Stramit Speed Deck Ultra® concealed fixed decking may also be used for domestic applications.

Note: Expansion and contraction of the sheeting causes friction between the clip and sheet which could result in noise.

FEATURES

- **Wide Cover** – Fewer sheets and quicker installation.
- **Deep Ribs** – Stronger and stiffer with better water-carrying capacity; roof slopes as low as 1°.
- **Full Length Clips** – To locate ribs and compress insulation.
- **Four Fixing Points Per Clip** – Centralised fastening for unsurpassed strength.
- **Hexagon Head Screws** – Bigger, stronger and easier to install, with less wastage.
- **Outstanding Wind Load Resistance** – Improved security with lower purlin costs.
- **Spring Curving** – Data for arched and curved roofs.
- **Automatic Bird Proofing** – Built-in accessory with no need for extra components.

STRAMIT SPEED DECK ULTRA® FASTENERS

Stramit Speed Deck Ultra® concealed fixed decking is attached to proprietory Stramit® cyclonic fixing clips that are screwed to the supporting members.

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 22.

STRAMIT FARLAP® ROOF LAP JOINT SYSTEM

Stramit Farlap® can be used to provide a sealed joint between overlapping sheets of Stramit Speed Deck Ultra® decking. See Stramit Farlap® Product Technical Supplement on the Stramit® website for details.

WATER CARRYING

Stramit Speed Deck Ultra® cladding has excellent water carrying capacity. This and the decking stiffness enable roof slopes to be as low as one degree for many applications.

Roof run lengths are the combined lengths of all roof elements contributing to a single pan drainage path. This can include the roof length upstream of a roof penetration that concentrates flow into other pans.

The table below gives slopes for 100 year return period rainfall intensity.

SPEED DECK ULTRA® DECKING - MINIMUM ROOF SLOPE (degrees)

rainfall intensity mm/hr	total roof run length (m)									max roof run length (m) at min slope
	70	80	90	100	110	120	130	140	150	
150										195
175									1.0	167
200	*Minimum*							1.0	1.1	146
225	*Slope 1°*					1.0	1.0	1.3	1.6	130
250					1.0	1.1	1.4	1.8	2.1	117
275				1.0	1.1	1.5	1.9	2.3	2.7	106
300				1.1	1.5	1.9	2.4	2.9	3.4	97
325			1.0	1.4	1.9	2.4	2.9	3.5	4.2	90
350		1.0	1.3	1.8	2.3	2.9	3.5	4.2	5.0	83
375		1.1	1.6	2.1	2.7	3.4	4.2	5.0	5.9	78
400	1.0	1.4	1.9	2.5	3.2	4.0	4.9	5.8	6.8	73

Based on AS1562.1

For more information on water carrying performance of Stramit Speed Deck Ultra® decking and other Stramit® roofing profiles refer to Stramit's Roof Slope Guide.

Maximum water protection is also ensured by the absence of fastener penetrations when using Stramit Speed Deck Ultra® decking.

SHEETING MASS

STRAMIT SPEED DECK ULTRA® DECKING - SHEETING MASS (kg/m² of roof area)			
thickness	grade	ZINCALUME®	COLORBOND®
0.42mm BMT	G550	4.66	4.74
0.48mm BMT	G550	5.29	5.37

FOOT TRAFFIC

STRAMIT SPEED DECK ULTRA® DECKING - FOOT TRAFFIC LIMITED SPANS (mm)		
thickness bmt (mm)	span type	foot traffic limits normal
0.42	internal equal double	2100 1700 1700
0.48	internal equal double	2700 2300 2300

Tables are based on tests to AS1562.1 and AS4040 parts 0 and 1, with 1.1kN load specified in AS/NZS 1170,1 for R2 - Other roofs.

PRESSURES

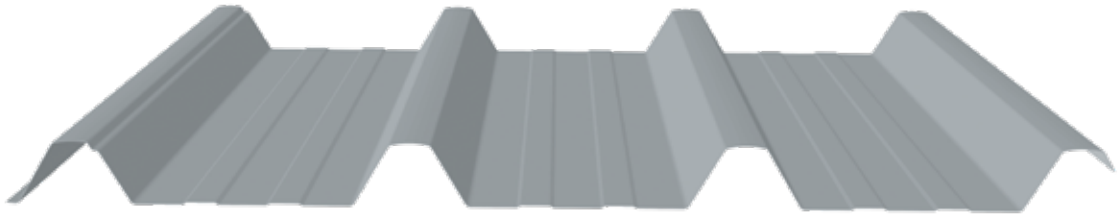
STRAMIT SPEED DECK ULTRA® DECKING - SERVICEABILITY LIMIT STATE CAPACITY								
			pressure (kPa) at the spans (mm) shown					
			roof sheeting (clip fixed)					
thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900	1200	1500	1800
0.42	1 clip and 3 screws	internal	3.23	3.09	2.81	2.53	2.24	1.96
		equal	3.44	3.25	2.86	2.47	2.08	1.68
		double	2.69	2.57	2.33	2.08	1.84	1.60
0.48	1 clip and 3 screws	internal	3.59	3.43	3.12	2.80	2.49	2.18
		equal	3.82	3.60	3.17	2.74	2.30	1.87
		double	2.98	2.85	2.58	2.31	2.04	1.78

STRAMIT SPEED DECK ULTRA® DECKING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)								
			pressure (kPa) at the spans (mm) shown					
			roof sheeting (clip fixed)					
thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900	1200	1500	1800
0.42*	1 clip and 3 screws	internal	10.69	9.11	7.52	5.76	4.43	2.98
		equal	9.72	8.28	6.84	5.24	4.03	2.71
		double	8.55	7.29	6.02	4.61	3.55	2.38
0.48	1 clip and 3 screws	internal	10.69	9.50	7.92	5.54	4.25	3.36
		equal	9.72	8.64	7.20	5.04	3.87	3.05
		double	8.55	7.60	6.34	4.44	3.40	2.68

Shaded areas are outside of recommended normal foot traffic limits.

* Where Stramit FarLap® Roof Lap Joint System is used, the strength limit state capacity given in the table for 0.42mm decking on the upper run of sheeting should be reduced by 10% for double and equal spans. The reduction must also be applied in internal spans within three spans of the FarLap® joint.
No reduction is necessary to the capacities for the lower run of sheeting from the FarLap® joint, provided the decking is held at every support by the Stramit Speed Deck Ultra® steel clips.
Tables are based on testing to AS1562.1, AS4040 parts 0, 2 and 3, and the NCC. Internal spans must have both end spans 20% shorter.
Values only valid for use with steel support members of 1.5mm or thicker.

STRAMIT CapacityPLUS™ 660



APPLICATIONS

The drainage capacity, strength, wide cover, light weight and weather-resistance of Stramit CapacityPLUS™ 660 deep roof cladding make it ideal for large commercial roofing and walling applications. Its excellent strength and ease of installation allow for long, economical spans. The large water-carrying capacity and weather-tightness permit very low roof pitches, leading to economies in the building structure.

FEATURES

- **High 50mm ribs** – Excellent water-carrying capacity at low roof pitch and superior profile rigidity.
- **Simple Rib Shape** – Enables reliable screw fixing, and easy to trim and notch flashings.
- **Wide 660mm Cover** – Fewer sheets enable easy handling and fast laying, as well as providing cost economy.
- **Screw Fixed** – Allows fast and flexible high-wind installation techniques such as 'tack and screw-off'.
- **Range of Materials** – Choice of materials and finishes for enhanced durability options.
- **Low 1° Pitch** – Building economies from low wall heights and structure reduction.
- **Fully Tested** – In-house and independent testing for reliable design data and peace of mind.
- **Nesting Profile** – Flat packs for economical transport and site crane handling.

STRAMIT CAPACITYPLUS™ 660 FASTENERS

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 22.

FASTENER LOCATIONS

Stramit CapacityPLUS™ 660 cladding is rib fixed using 3 cyclone caps per sheet.

For roof spans exceeding 900mm and wall spans exceeding 1200mm, stitch the sidelaps at midspan.

WATER CARRYING

Stramit CapacityPLUS™ 660 cladding has excellent water-carrying capacity enabling roof slopes to be as low as 1° for many applications. Roof run lengths are the combined lengths of all roof elements contributing to a single pan drainage path. This can include the roof length upstream of a roof penetration that concentrates flow into other pans.

The table below gives slopes for 100 year return period rainfall intensity.

CapacityPLUS™ 660 CLADDING - MINIMUM ROOF SLOPE (degrees)

rainfall intensity mm/hr	total roof run length (m)											max roof run length (m) at min slope
	100	110	120	130	140	150	160	170	180	190	200	
150											1.0	305
175											1.0	262
200											1.0	229
225		*Minimum*								1.0	1.0	203
250		*Slope 1°*						1.0	1.0	1.2	1.4	183
275							1.0	1.1	1.3	1.5	1.8	166
300						1.0	1.2	1.4	1.7	2.0	2.3	152
325					1.0	1.3	1.5	1.8	2.1	2.5	2.8	141
350				1.0	1.3	1.6	1.9	2.2	2.6	3.0	3.4	131
375			1.0	1.3	1.6	1.9	2.3	2.7	3.1	3.6	4.0	122
400	1.0	1.0	1.2	1.5	1.9	2.3	2.7	3.2	3.7	4.2	4.7	114

Based on AS1562.1

Values are given for normal roof drainage applications, where the minimum slopes are calculated as for other Stramit® roofing profiles.

For more information on water-carrying capacity performance of the Stramit CapacityPLUS™ 660 cladding and other Stramit® roofing profiles refer to Stramit's Roof Slope Guide.

SHEETING MASS

CapacityPLUS™ 660 CLADDING - SHEETING MASS (kg/m² of roof area)			
thickness	grade	ZINCALUME®	COLORBOND®
0.42mm BMT	G550	4.89	4.97
0.48mm BMT	G550	5.56	5.64

FOOT TRAFFIC

STRAMIT CapacityPLUS™ 660 CLADDING - FOOT TRAFFIC LIMITED SPANS (mm)		
thickness bmt (mm)	span type	foot traffic limits normal
0.42	internal equal double	3400 2800 2800
0.48	internal equal double	4000 3400 3400

Tables are based on tests to AS1562.1 and AS4040 parts 0 and 1, with 1.1kN load specified in AS/NZS 1170,1 for R2 - Other roofs.

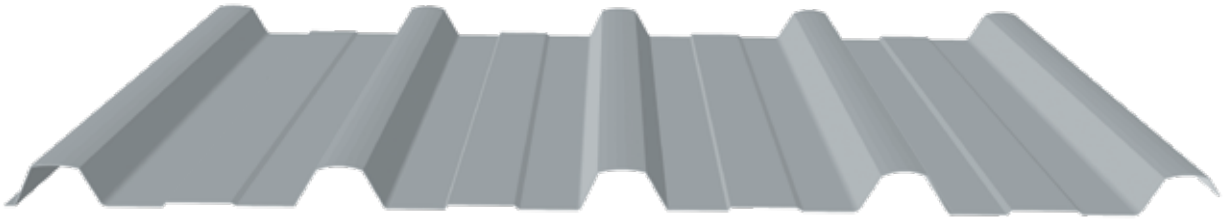
PRESSURES

STRAMIT CapacityPLUS™ 660 CLADDING - SERVICEABILITY LIMIT STATE CAPACITY											
			pressure (kPa) at the spans (mm) shown								
			roof sheeting (crest fixed with cyclone caps)								
thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900	1200	1500	1800	2100	2400	2700
0.42	3 with cyclone caps	internal	4.66	4.66	3.95	3.34	2.82	2.37	1.98	1.67	
		equal	4.24	4.24	3.59	3.04	2.56	2.15	1.80	1.52	
		double	3.73	3.73	3.16	2.68	2.25	1.89	1.58	1.34	
0.48	3 with cyclone caps	internal	7.69	7.69	5.56	4.24	3.48	3.04	2.50	2.07	1.73
		equal	6.99	6.99	5.05	3.85	3.16	2.76	2.27	1.88	1.57
		double	6.15	6.15	4.44	3.39	2.78	2.43	2.00	1.65	1.38

STRAMIT CapacityPLUS™ 660 CLADDING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)											
			pressure (kPa) at the spans (mm) shown								
			roof sheeting (crest fixed with cyclone caps)								
thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900	1200	1500	1800	2100	2400	2700
0.42	3 with cyclone caps	internal	8.63	7.28	5.78	5.11	4.64	4.06	3.33	2.73	
		equal	7.84	6.62	5.25	4.64	4.22	3.69	3.02	2.48	
		double	6.90	5.83	4.62	4.09	3.71	3.25	2.66	2.18	
0.48	3 with cyclone caps	internal	9.55	9.25	8.57	7.53	6.18	4.83	3.77	3.18	2.91
		equal	8.68	8.41	7.79	6.84	5.62	4.39	3.43	2.90	2.65
		double	7.64	7.40	6.86	6.02	4.95	3.86	3.02	2.55	2.33

Tables are based on testing to AS1562.1, AS4040 parts 0, 2 and 3, and the NCC. Internal spans must have both end spans 20% shorter.
Values only valid for use with steel support members of 1.5mm or thicker.

STRAMIT MONOCLAD®



APPLICATIONS

The visual appeal, strength, wide cover, light weight and weather-resistance of Stramit Monoclad® cladding make it ideal for all commercial roofing and walling applications.

Its excellent strength and ease of installation allow for long, economical spans. The large water-carrying capacity and weather-tightness permit very low roof pitches, leading to economies in the building structure.

FEATURES

- **Economical** – unique blend of characteristics provides a low installed cost.
- **Simple Installation** – through-fixing and easy notching of flashing.
- **762mm Cover** – quick installation and easy handling.
- **Hi-tensile Steel** – light weight and high strength.
- **Deep Ribs** – excellent spanning capability with good water-carrying capacity.
- **Domed Crest** – greater foot traffic performance.
- **Anti-capillary Side Laps** – improved weather resistance.
- **2° Minimum Pitch** – reduces support structure.
- **Fully Tested** – full range of load performance tables to suit almost any application.

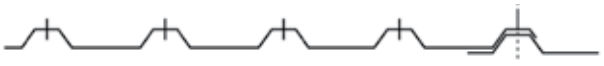
STRAMIT MONOCLAD® FASTENERS

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 22.

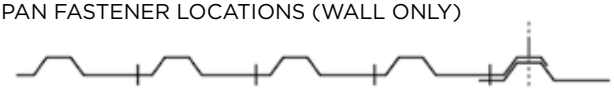
FASTENER LOCATIONS

Stramit Monoclad® roof cladding is fixed using 4 fasteners per sheet at each batten/purlin to meet the required performance values.

CREST FASTENER LOCATIONS (WITH/WITHOUT CYCLONE CAPS)



PAN FASTENER LOCATIONS (WALL ONLY)



For roof spans exceeding 900mm and wall spans exceeding 1200mm, stitch the sidelaps at midspan.

WATER CARRYING

Stramit Monoclad® cladding has excellent water-carrying capacity enabling roof slopes to be as low as 2° for many applications. Roof run lengths are the combined lengths of all roof elements contributing to a single pan drainage path. This can include the roof length upstream of a roof penetration that concentrates flow into other pans.

The table below gives slopes for 100 year return period rainfall intensity.

MONOCLAD® CLADDING - MINIMUM ROOF SLOPE (degrees)

rainfall intensity mm/hr	total roof run length (m)											max roof run length (m) at min slope
	50	60	70	80	90	100	110	120	130	140	150	
150									2.0	2.0	2.2	146
175								2.0	2.2	2.7	3.2	125
200	*Minimum*					2.0	2.0	2.6	3.2	3.8	4.5	110
225	*slope 2°*				2.0	2.2	2.8	3.5	4.2	5.1	6.0	97
250				2.0	2.2	2.9	3.7	4.5	5.5	6.5	7.6	88
275				2.0	2.8	3.7	4.6	5.7	6.8	8.0	9.4	80
300			2.0	2.6	3.5	4.5	5.7	6.9	8.3	9.7	12.0	73
325		2.0	2.2	3.2	4.2	5.5	6.8	8.3	9.9	12.0	14.0	67
350		2.0	2.7	3.8	5.1	6.5	8.0	9.7	12.0	14.0	16.0	62
375	2.0	2.2	3.2	4.5	6.0	7.6	9.4	12.0	14.0	16.0	19.0	58
400	2.0	2.6	3.8	5.3	6.9	8.8	11.0	13.0	16.0	18.0		55

Exceeds the scope of this manual

Based on AS1562.1

For more information on water-carrying performance of Stramit Monoclad® cladding and other Stramit roofing profiles refer to Stramit's Roof Slope Guide.

DARWIN AREA

Information on the use of Stramit Monoclad® cladding in the Darwin area can be found in deemed-to-comply sheets M/715 (roofing) and M/336/01 (walling) in the Darwin Area Manual. These are also available from Stramit.

SHEETING MASS

STRAMIT MONOCLAD® CLADDING - SHEETING MASS (kg/m² of roof area)			
thickness	grade	ZINCALUME®	COLORBOND®
0.42mm BMT	G550	4.28	4.35
0.48mm BMT	G550	4.86	4.93

FOOT TRAFFIC

STRAMIT MONOCLAD® CLADDING - FOOT TRAFFIC LIMITED SPANS (mm)		
thickness bmt (mm)	span type	foot traffic limits normal
0.42	internal equal double	1700 1350 1350
0.48	internal equal double	2300 1700 1700

Tables are based on tests to AS1562.1 and AS4040 parts 0 and 1, with 1.1kN load specified in AS/NZS 1170,1 for R2 - Other roofs.

PRESSURES

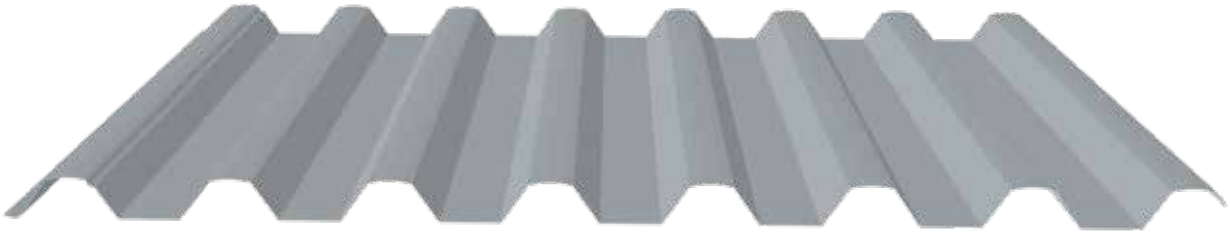
STRAMIT MONOCLAD® CLADDING - SERVICEABILITY LIMIT STATE CAPACITY															
			pressure (kPa) at the spans (mm) shown												
			roof sheeting (crest fixed)							wall cladding (pan fixed)					
thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900	1200	1500	1800	2100	450	600	900	1200	1500	1800
0.42	4	internal	5.41	4.91	3.38	2.64	2.31	1.87	1.33	5.41	5.41	5.41	3.75	2.76	2.10
		equal	5.00	4.46	3.07	2.40	1.88	1.34	1.02	5.00	5.00	5.00	2.87	1.88	1.34
		double	4.06	3.92	2.70	2.11	1.55	1.13	0.88	4.06	4.06	4.06	2.34	1.55	1.13
0.48	4	internal	7.28	5.91	4.05	3.03	2.42	2.28	1.91	7.28	7.28	6.23	4.18	3.00	2.37
		equal	5.07	5.07	3.68	2.75	2.20	2.05	1.49	5.07	5.07	5.07	3.76	2.73	2.05
		double	4.54	4.54	3.24	2.42	1.94	1.82	1.55	4.54	4.54	4.54	3.34	2.40	2.05
0.42	4 with cyclone caps	internal	5.41	5.41	5.41	3.75	2.76	2.10							
		equal	5.00	5.00	5.00	2.87	1.88	1.34							
		double	4.06	4.06	4.06	2.34	1.55	1.13							
0.48	4 with cyclone caps	internal	7.28	7.28	7.28	4.44	3.11	2.37	1.91						
		equal	5.07	5.07	5.07	3.76	2.78	2.05	1.49						
		double	4.54	4.54	4.54	3.52	2.70	2.05	1.55						

STRAMIT MONOCLAD® CLADDING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)															
			pressure (kPa) at the spans (mm) shown												
			roof sheeting (crest fixed)							wall cladding (pan fixed)					
thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900	1200	1500	1800	2100	450	600	900	1200	1500	1800
0.42	4	internal	7.49	4.91	3.38	2.64	2.31	1.87	1.33	11.88	9.02	6.04	3.96	2.79	2.53
		equal	6.81	4.46	3.07	2.40	2.10	1.70	1.21	10.80	8.20	5.49	3.60	2.54	2.30
		double	5.99	3.92	2.70	2.11	1.85	1.50	1.06	9.50	7.22	4.83	3.17	2.24	2.02
0.48	4	internal	8.18	5.91	4.05	3.03	2.42	2.28	1.97	12.08	9.13	6.23	4.18	3.00	2.68
		equal	7.44	5.37	3.68	2.75	2.20	2.07	1.79	10.98	8.30	5.66	3.80	2.73	2.44
		double	6.55	4.73	3.24	2.42	1.94	1.82	1.58	9.66	7.30	4.98	3.34	2.40	2.15
0.42	4 with cyclone caps	internal	14.37	12.54	8.47	5.60	3.93	3.45							
		equal	13.06	11.40	7.70	5.09	3.57	3.14							
		double	11.49	10.03	6.78	4.48	3.14	2.76							
0.48	4 with cyclone caps	internal	14.30	12.76	10.00	7.60	5.86	4.37	3.48						
		equal	13.10	11.60	9.09	6.91	5.33	3.97	3.16						
		double	11.53	10.21	8.00	6.08	4.69	3.49	2.78						

Shaded areas are outside of recommended normal foot traffic limits.

Tables are based on testing to AS1562.1, AS4040 parts 0, 2 and 3, and the NCC. Internal spans must have both end spans 20% shorter.
Values only valid for use with steel support members of 1.5mm or thicker.

STRAMIT LONGSPAN®



APPLICATIONS

The striking linearity, strength, wide cover, light weight and weather-resistance of Stramit Longspan® cladding make it ideal for commercial roofing and walling applications. Its excellent strength and ease of installation allows long, economical spans. Good water-carrying capacity and weather-tightness permit very low roof pitches, leading to economies in the building structure.

Stramit Longspan® cladding is also used in domestic applications, where a striking but uniform appearance is desired.

FEATURES

- **700mm Cover** – Quick installation and easy handling.
- **Easy Fixing** – Conventional through-fix screws maximise performance and installation.
- **Hi-tensile Steel** – Light weight and high strength with improved damage resistance.
- **3° Minimum Roof Pitch** – good water carrying capacity.
- **Design Flexibility** – Long lengths and anti-capillary side laps enable Stramit Longspan® cladding to be used effectively on applications ranging from vertical wall cladding down to roofs with pitches as low as 3°.
- **Fully Tested** – Full range of load performance tables to suit most applications.
- **Extended Spans** – Strength and rigidity of the profile allows for economical construction.

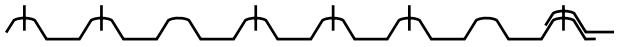
STRAMIT LONGSPAN® FASTENERS

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 22.

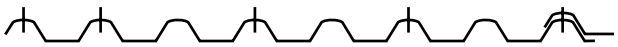
FASTENER LOCATIONS

Stramit Longspan® cladding can be fixed with either 4 or 5 (roofing only) fasteners/cyclone caps per sheet at each batten/purlin to meet the required performance values.

CREST FASTENER LOCATIONS (WITH/WITHOUT CYCLONE CAPS)

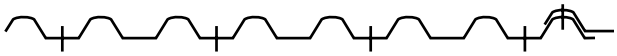


5 Fasteners per sheet



4 Fasteners per sheet

VALLEY FASTENER LOCATION (WALL ONLY)



4 Fasteners per sheet

For roof spans exceeding 900mm and wall spans exceeding 1200mm, stitch the sidelaps at midspan.

WATER CARRYING

Stramit Longspan® cladding has a water-carrying capacity similar to most close pitched trapezoidal profiles. This and the decking stiffness enable roof slopes to be as low as 3° for many applications. Roof run lengths are the combined lengths of all roof elements contributing to a single pan drainage path. This can include the roof length upstream of a roof penetration that concentrates flow into other pans.

The table below gives slopes for 100 year return period rainfall intensity.

STRAMIT® LONGSPAN® CLADDING - MINIMUM ROOF SLOPE (degrees)

rainfall intensity mm/hr	total roof run length (m)									max roof run length (m) at min slope
	20	25	30	40	50	60	70	80	90	
150				3.0	4.8	7.9	12.0	17.0		42
175	*Minimum*		3.0	3.9	7.3	12.0	18.0			36
200	*slope 3°*		3.0	5.7	11.0	17.0				32
225		3.0	3.5	7.9	15.0					28
250		3.0	4.8	11.0	19.0					25
275	3.0	3.7	6.2	14.0						23
300	3.0	4.8	7.9	17.0	*Exceeds the scope*					21
325	3.1	6.0	9.8		*of this manual*					19
350	3.9	7.3	12.0							18
375	4.8	8.8	15.0							17
400	5.7	11.0	17.0							16

Based on AS1562.1

For more information on water-carrying performance of Stramit Longspan® cladding and other Stramit® roofing profiles refer to Stramit's Roof Slope Guide.

DARWIN AREA

Information on the use of Stramit Longspan® cladding in the Darwin area can be found in deemed-to-comply sheet M/714 in the Darwin Area Manual. This is also available from Stramit.

SHEETING MASS

STRAMIT LONGSPAN® CLADDING - SHEETING MASS (kg/m² of roof area)			
thickness	grade	ZINCALUME®	COLORBOND®
0.42mm BMT	G550	4.66	4.74
0.48mm BMT	G550	5.29	5.37

FOOT TRAFFIC

STRAMIT LONGSPAN® CLADDING - FOOT TRAFFIC LIMITED SPANS (mm)		
thickness bmt (mm)	span type	foot traffic limits normal
0.42	internal equal double	2100 1750 1750
0.48	internal equal double	2700 2250 2250

Tables are based on tests to AS1562.1 and AS4040 parts 0 and 1, with 1.1kN load specified in AS/NZS 1170,1 for R2 - Other roofs.

PRESSURES

STRAMIT LONGSPAN® CLADDING - SERVICEABILITY LIMIT STATE CAPACITY

thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown: roof sheeting (crest fixed) 450	600	900	1200	1500	1800	2100	wall cladding (pan fixed) 450	600	900	1200	1500	1800	2100
0.42	4	internal	5.58	4.73	3.35	2.31	1.65	1.27	1.18	5.85	5.58	5.28	3.97	3.18	2.65	2.16
		equal	4.93	4.30	3.05	2.10	1.50	1.15	1.07	4.93	4.93	4.80	3.61	2.82	2.05	1.45
		double	4.93	3.78	2.68	1.85	1.32	1.01	0.95	4.93	4.93	4.23	3.18	2.54	2.05	1.45
0.42	5	internal	5.58	5.58	4.09	2.73	1.96	1.51	1.18							
		equal	4.30	4.30	3.72	2.48	1.78	1.37	1.07							
		double	4.33	4.33	3.27	2.18	1.57	1.21	0.94							
0.48	4	internal	7.82	5.73	4.21	3.03	2.18	3.35	1.45	8.67	8.67	6.61	4.84	3.61	2.92	2.54
		equal	7.11	5.21	3.83	2.76	1.98	1.50	1.32	7.17	7.17	6.01	4.40	3.29	2.42	1.88
		double	6.26	4.58	3.37	2.43	1.75	1.32	1.16	7.17	7.13	5.29	3.87	2.89	2.34	1.88
0.48	5	internal	8.67	7.38	4.54	3.18	2.68	2.45	1.45							
		equal	7.17	6.71	4.13	2.89	2.44	2.23	1.32							
		double	4.97	4.97	3.63	2.54	2.15	1.96	1.16							
0.42	4 with cyclone caps	internal	5.85	5.58	5.58	4.52	3.60	2.82	2.16							
		equal	4.93	4.93	4.93	3.78	2.82	2.05	1.45							
		double	4.93	4.93	4.93	3.78	2.82	2.05	1.45							
0.42	5 with cyclone caps	internal	5.58	5.58	5.58	4.52	3.60	2.82	2.16							
		equal	4.30	4.30	4.93	3.78	2.82	2.05	1.45							
		double	4.33	4.33	4.33	3.60	2.87	2.19	1.59							
0.48	4 with cyclone caps	internal	8.67	8.67	8.67	6.31	4.57	3.35	2.54							
		equal	7.17	7.17	7.17	4.88	3.35	2.42	1.88							
		double	7.17	7.17	7.17	4.88	3.35	2.42	1.88							
0.48	5 with cyclone caps	internal	8.67	8.67	8.67	6.31	4.57	3.35	2.54							
		equal	7.17	7.17	7.17	4.88	3.35	2.42	1.88							
		double	4.97	4.97	4.97	3.94	3.09	2.39	1.84							

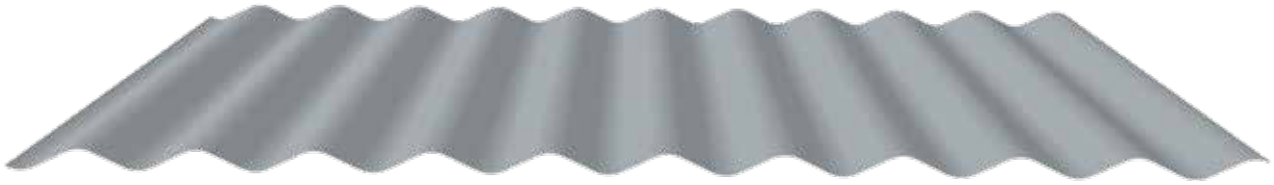
STRAMIT LONGSPAN® CLADDING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)

thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown: roof sheeting (crest fixed) 450	600	900	1200	1500	1800	2100	wall cladding (pan fixed) 450	600	900	1200	1500	1800	2100
0.42	4	internal	6.27	4.73	3.35	2.31	1.65	1.27	1.18	10.10	7.92	5.28	3.97	3.18	2.65	2.28
		equal	5.70	4.30	3.05	2.10	1.50	1.15	1.07	9.18	7.20	4.80	3.61	2.89	2.41	2.07
		double	5.02	3.78	2.68	1.85	1.32	1.01	0.95	8.08	6.34	4.23	3.18	2.54	2.12	1.82
0.42	5	internal	7.27	5.76	4.09	2.73	1.96	1.51	1.18							
		equal	6.61	5.24	3.72	2.48	1.78	1.37	1.07							
		double	5.82	4.61	3.27	2.18	1.57	1.21	0.94							
0.48	4	internal	7.82	5.73	4.21	3.03	2.18	1.65	1.45	11.30	8.91	6.61	4.84	3.61	2.92	2.77
		equal	7.11	5.21	3.83	2.76	1.98	1.50	1.32	10.27	8.10	6.01	4.40	3.29	2.66	2.52
		double	6.26	4.58	3.37	2.43	1.75	1.32	1.16	9.04	7.13	5.29	3.87	2.89	2.34	2.22
0.48	5	internal	9.55	7.38	4.54	3.18	2.68	2.45	1.45							
		equal	8.68	6.71	4.13	2.89	2.44	2.23	1.32							
		double	7.64	5.90	3.63	2.54	2.15	1.96	1.16							
0.42	4 with cyclone caps	internal	14.18	12.32	8.74	6.00	4.10	3.04	2.82							
		equal	12.89	11.20	7.94	5.45	3.73	2.76	2.56							
		double	11.34	9.85	6.99	4.80	3.28	2.43	2.25							
0.42	5 with cyclone caps	internal	14.18	12.32	8.74	6.16	4.54	3.28	2.82							
		equal	12.89	11.20	7.94	5.60	4.13	2.98	2.56							
		double	11.34	9.86	6.99	4.93	3.63	2.62	2.25							
0.48	4 with cyclone caps	internal	14.36	12.55	9.47	7.09	5.36	4.23	3.64							
		equal	13.06	11.40	8.61	6.45	4.88	3.84	3.31							
		double	11.49	10.04	7.57	5.67	4.29	3.38	2.91							
0.48	5 with cyclone caps	internal	14.36	12.55	10.00	7.21	5.37	4.54	3.64							
		equal	13.06	11.40	9.09	6.55	4.88	4.13	3.31							
		double	11.49	10.04	8.00	5.76	4.29	3.63	2.91							

Shaded areas are outside of recommended normal foot traffic limits.

Tables are based on testing to AS1562.1, AS4040 parts 0, 2 and 3, and the NCC. Internal spans must have both end spans 20% shorter.
Values only valid for use with steel support members of 1.5mm or thicker.

STRAMIT® CORRUGATED



APPLICATIONS

The subtle uniformity of Stramit® Corrugated cladding gives it a unique versatility for architectural applications. Still favoured for traditional housing, it is also the first choice for contemporary steel-roofed homes. Stramit® Corrugated cladding is the most readily curved roofing profile either spring-curved or bullnosed. This has helped make it popular for smaller commercial applications in both roofing and walling.

FEATURES

- **Economical** – Low-cost roof and wall cladding available in long lengths.
- **Easy Fixing** – Conventional through-fix screws maximise performance and installation.
- **762mm Cover** – Quick installation and easy handling.
- **Hi-tensile Steel** – light weight and high strength.
- **5° Minimum Pitch** – 1.5 rib overlaps for weather protection.
- **Spring Curving** – Ideal for curved roofs.
- **Curving Quality** – Available in G300 steel for curved architectural roofs or bullnosing.
- **Fully Tested** – Full range of load performance tables to suit most applications.

STRAMIT® CORRUGATED FASTENERS

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 22.

FASTENER LOCATIONS

Stramit® Corrugated cladding is fixed with 5 fasteners/cyclone caps per sheet at each batten/purlin to meet the required performance values.

CREST FASTENER LOCATIONS (WITH/WITHOUT CYCLONE CAPS)

5 Fasteners per sheet

VALLEY FASTENER LOCATION (WALL ONLY)

5 Fasteners per sheet

For roof spans exceeding 900mm and wall spans exceeding 1200mm, stitch the sidelaps at midspan.

WATER CARRYING

Stramit® Corrugated cladding has limited water-carrying capacity. Roof slopes can be as low as 5° for many applications. Roof run lengths are the combined lengths of all roof elements contributing to a single pan drainage path. This can include the roof length upstream of a roof penetration that concentrates flow into other pans.

The table below gives slopes for 100 year return period rainfall intensity.

STRAMIT® CORRUGATED CLADDING - MINIMUM ROOF SLOPE (degrees)

rainfall intensity mm/hr	total roof run length (m)								max roof run length (m) at min slope
	10	15	20	25	30	35	40	45	
150				5.0	6.5	9.5	13.5	18.0	27
175	*Minimum*		5.0	6.0	9.5	14.0			23
200	*slope 5°*		5.0	8.5	13.5				20
225		5.0	6.5	11.5	18.0				18
250		5.0	8.5	15.0					16
275		5.0	11.0	19.0					15
300	5.0	6.5	13.5	*Exceeds the scope of this manual*					13
325	5.0	8.0	16.5						12
350	5.0	9.5							11
375	5.0	11.5							11
400	5.0	13.5							10

Based on AS1562.1

For more information on water-carrying performance of Stramit® Corrugated cladding and other Stramit roofing profiles refer to Stramit's Roof Slope Guide.

DARWIN AREA

Information on the use of Stramit® Corrugated cladding in the Darwin area can be found in deemed-to-comply sheets M/713 (roofing) and M/337/01 (walling) in the Darwin Area Manual. These are also available from Stramit.

SHEETING MASS

STRAMIT® CORRUGATED CLADDING - SHEETING MASS (kg/m² of roof area)			
thickness	grade	ZINCALUME®	COLORBOND®
0.42mm bmt	550MPa	4.28	4.35
0.48mm bmt	550MPa	4.86	4.93
0.60mm bmt	300MPa	6.02	6.09

FOOT TRAFFIC

STRAMIT® CORRUGATED CLADDING - FOOT TRAFFIC LIMITED SPANS (mm)		
thickness bmt (mm)	span type	foot traffic limits normal
0.42	internal equal double	1200 900 900
0.48	internal equal double	1600 1200 1200
0.60	internal equal double	1200 900 900

Tables are based on tests to AS1562.1 and AS4040 parts 0 and 1, with 1.1kN load specified in AS/NZS 1170,1 for R2 - Other roofs.

PRESSURES

STRAMIT® CORRUGATED CLADDING - SERVICEABILITY LIMIT STATE CAPACITY

thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown													
			roof sheeting (crest fixed)							wall cladding (pan fixed)						
			450	600	900	1200	1500	1800	2100	450	600	900	1200	1500	1800
0.42	5	internal	5.30	5.30	4.19	3.05				5.30	5.30	4.19	3.16	2.39	1.82
		equal	6.00	6.00	4.13	2.64				6.00	6.00	4.65	2.64	1.51	0.90
		double	6.00	5.46	3.63	2.44				6.00	6.00	4.65	2.64	1.51	0.90
0.48	5	internal	7.46	7.46	5.87	3.45	2.05	1.26		7.46	7.46	5.87	3.45	2.05	
		equal	6.97	6.97	5.49	3.23	1.91	1.18		6.97	6.97	5.49	3.23	1.91	
		double	6.97	6.97	5.13	3.23	1.91	1.18		6.97	6.97	5.49	3.23	1.91	
0.60	5	internal	8.54	6.82	4.54	2.79									
		equal	8.51	6.20	4.13	2.54									
		double	7.49	5.46	3.63	2.23									
0.42	5 with cyclone caps	internal	5.30	5.30	4.19	3.16	2.39	1.82							
		equal	6.00	6.00	4.65	2.64	1.51	0.90							
		double	6.00	6.00	4.65	2.64	1.51	0.90							
0.48	5 with cyclone caps	internal	7.46	7.46	5.87	3.45	2.05	1.26	0.82						
		equal	6.97	6.97	5.49	3.23	1.91	1.18	0.76						
		double	6.97	6.97	5.49	3.23	1.91	1.18	0.76						
0.60	5 with cyclone caps	internal	8.54	9.54	6.39	3.81									
		equal	9.59	8.76	4.61	2.74									
		double	8.44	7.71	4.61	2.74									

STRAMIT® CORRUGATED CLADDING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)

thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown													
			roof sheeting (crest fixed)							wall cladding (pan fixed)						
			450	600	900	1200	1500	1800	2100	450	600	900	1200	1500	1800
0.42	5	internal	9.91	6.82	4.54	3.05				12.10	11.00	7.15	4.73	3.74	2.97
		equal	9.01	6.20	4.13	2.77				11.00	10.00	6.50	4.30	3.40	1.62
		double	7.93	5.46	3.63	2.44				9.68	8.80	5.72	3.78	2.99	1.62
0.48	5	internal	11.00	9.18	6.42	4.54	3.26	2.28		13.12	11.11	8.14	5.84	4.21	
		equal	10.00	8.35	5.83	4.13	2.97	2.07		11.93	10.10	7.40	5.31	3.83	
		double	8.80	7.35	5.13	3.63	2.61	1.82		10.50	8.89	6.51	4.67	3.37	
0.60	5	internal	9.36	6.82	4.54	2.79									
		equal	8.51	6.20	4.13	2.54									
		double	7.49	5.46	3.63	2.23									
0.42	5 with cyclone caps	internal	14.36	12.82	8.51	5.45	3.77	2.97							
		equal	13.05	11.65	7.74	4.95	3.43	2.70							
		double	11.48	10.25	6.81	4.36	3.02	2.38							
0.48	5 with cyclone caps	internal	14.37	14.30	10.00	7.34	5.63	4.20	2.37						
		equal	13.06	13.00	9.09	6.67	5.12	3.82	2.15						
		double	11.49	11.44	8.00	5.87	4.51	3.36	1.89						
0.60	5 with cyclone caps	internal	10.55	9.64	6.59	4.80									
		equal	9.59	8.76	5.99	4.36									
		double	8.44	7.71	5.27	3.84									

Shaded areas are outside of recommended normal foot traffic limits.

Tables are based on testing to AS1562.1, AS4040 parts 0, 2 and 3, and the NCC. Internal spans must have both end spans 20% shorter.
Values only valid for use with steel support members of 1.5mm or thicker.

STRAMIT SHARPLINE®

SharpLine® Direct Fix

SharpLine® Clip Fix

APPLICATIONS

Part of Stramit's premier Architectural range, SharpLine® cladding can be installed horizontally, vertically or diagonally on the wall to suit the architectural requirements of the project.

Two fixing systems to enhance buildability, and a variety of finishes make SharpLine® cladding an easy choice for architectural cladding.

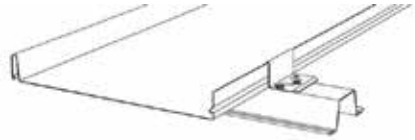
FEATURES (COMMON ACROSS BOTH PROFILES)

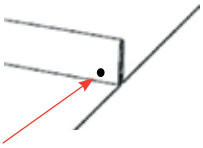
- Visually striking with tall, sharp ribs and narrow pans.
- Available in 25mm and 38mm rib heights.
- 4 different tray widths are available to provide a range of design options.
- Available in standard and matt COLORBOND® colours, as well as ZINCALUME® steel and other finishes on request.
- Manufactured from non-combustible materials.
- 3° minimum pitch to suit most traditional roofing applications.
- Fully tested and NCC compliant with a full range of load performance data tables to suit most wall applications.

STRAMIT SHARPLINE® FASTENERS

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 22.

FASTENER LOCATIONS





Rivet all sheet ends together 25mm from the end and 10mm above the pan using a 4.8mm dia 12.7mm grip aluminium blind rivet, through both underlap and overlap.

SHEETING MASS

SHARPLINE® CLADDING COLORBOND® XRW 0.55mm BMT - SHEETING MASS (kg/m² of wall area)			
fixing	rib height	cover	mass
Clip	25	320	5.56
	38	285	6.25
Direct	25	290	6.14
	38	265	6.72

PRESSURES

STRAMIT SHARPLINE® WALL CLADDING - SERVICEABILITY LIMIT STATE CAPACITY								
						pressure (kPa) at the spans (mm) shown		
						wall sheeting		
style	rib height (mm)	cover (mm)	thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900
Direct fix *	25	290	0.55	1 with SharpLine® washer	internal	0.61	0.61	0.61
					equal	0.61	0.61	0.61
					double	0.61	0.61	0.61
	38	265	0.55	1 with SharpLine® washer	internal	0.80	0.80	0.80
					equal	0.80	0.80	0.80
					double	0.80	0.80	0.80
Clip fix *	25	320	0.55	1 clip, 2 screws	internal	0.66	1.05	0.79
					equal	0.66	1.05	0.79
					double	0.66	1.05	0.79
	38	285	0.55	1 clip, 2 screws	internal	1.21	1.65	1.52
					equal	1.21	1.65	1.52
					double	1.21	1.65	1.52

STRAMIT SHARPLINE® WALL CLADDING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)								
						pressure (kPa) at the spans (mm) shown		
						wall sheeting		
style	rib height (mm)	cover (mm)	thickness bmt (mm)	fasteners per sheet at each support	span type	450	600	900
Direct fix *	25	290	0.55	1 with SharpLine® washer	internal	4.20	3.43	2.06
					equal	3.82	3.12	1.87
					double	3.36	2.74	1.71
	38	265	0.55	1 with SharpLine® washer	internal	3.88	3.43	1.45
					equal	3.53	3.12	1.32
					double	3.11	2.74	1.16
Clip fix *	25	320	0.55	1 clip, 2 screws	internal	3.43	2.97	2.18
					equal	3.12	2.70	1.98
					double	2.74	2.38	1.74
	38	285	0.55	1 clip, 2 screws	internal	4.55	3.56	2.44
					equal	4.14	3.24	2.22
					double	3.64	2.85	1.95

*Sheeting must be riveted together 25mm from the ends, at a 10mm height as described on page 18.
Tables are based on testing to AS1562.1 and AS4040 parts 0, 2 and 3. Internal spans must have both end spans 20% shorter.
Values only valid for use with steel support members of 0.75mm or thicker.
Higher capacities can be achieved with visible fasteners in pans, contact your nearest Stramit Office for advice.

STRAMIT MINI CORRY®

APPLICATIONS

Stramit Mini Corry® panelling provides an aesthetically pleasing lining for walls, in particular internal feature walls. The subtle corrugations also lend themselves to soffit and ceiling applications.

FEATURES

- **825mm Cover** – Maximises efficiency and reduces costs.
- **Easy Fixing** – Conventional through-fixed screws for quick installation and good appearance.
- **Small Rib Size** – Small scale version of normal corrugated.
- **New Roll-Formed Profile** – Consistent profile and longer lengths enhance the appearance of any project.
- **High Tensile Material** – Improved handling and performance.
- **New Architectural Features** – Curved and perforated acoustic versions available.

IMPACT

For walls likely to be subjected to human impact, sheeting spans should be reduced. Such impact loads will vary considerably and are not prescribed in Australian Standards. A span of 900mm is suggested for such areas, but this should be adjusted dependent on the exposure and importance of the application.

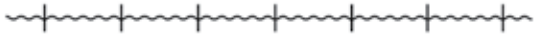
STRAMIT MINI CORRY® FASTENERS

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 22.

STRAMIT MINI CORRY® FASTENERS POSITIONS

For internal applications Stramit Mini Corry® panelling with spaces of 1000mm or more requires the side lap to be stitched at mid-span. Stramit Mini Corry® panelling is generally not suitable for exterior wall applications, except when sheltered to prevent water ingress.

Stramit Mini Corry® panelling is usually fixed with 7 fasteners per sheet as shown.



NOTE: Additional fasteners do not allow greater spans.

SHEETING MASS

STRAMIT MINI CORRY® PANELLING - SHEETING MASS (kg/m² of wall area)

thickness	grade	ZINCALUME®	COLORBOND®
0.42mm bmt	G550	3.91	3.95
0.48mm bmt	G550	4.45	4.48

PRESSURES

STRAMIT MINI CORRY® PANELLING - SERVICEABILITY LIMIT STATE CAPACITY

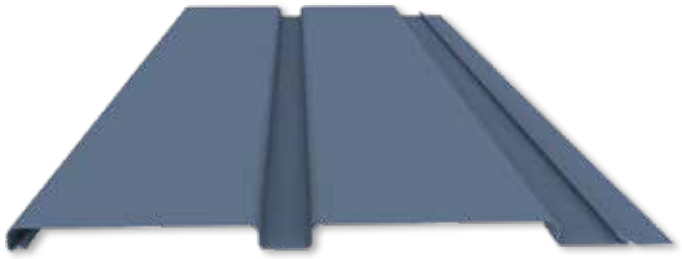
thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown 450	600	900
0.42	7 No 10-16x16 wafer head screws	internal	5.03	5.03	1.58
		equal	5.03	5.03	1.58
		double	5.03	5.03	1.58
0.48	7 No 10-16x16 wafer head screws	internal	5.05	5.05	1.64
		equal	5.05	5.05	1.64
		double	5.05	5.05	1.64

STRAMIT MINI CORRY® PANELLING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)

thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown 450	600	900
0.42	7 No 10-16x16 wafer head screws	internal	8.25	6.25	3.50
		equal	7.50	5.68	3.18
		double	6.60	5.00	2.80
0.48	7 No 10-16x16 wafer head screws	internal	10.00	7.50	4.00
		equal	9.09	6.82	3.64
		double	8.00	6.00	3.20

Tables are based on testing to AS1562 and AS4040 parts 0, 2 and 3. Internal spans must have both end spans 20% shorter.
Values only valid for use with steel support members of 1.5mm or thicker.

STRAMIT PREMIER 300™



APPLICATIONS

Stramit Premier 300™ is aesthetically pleasing panelling that combines the traditional beauty of flat panels with the strength and durability of steel. The advanced design ensures reliability and ease of construction.

FEATURES

- 300mm cover for quick installation
- Simple interlocking panel and clip
- Hidden fasteners
- Weather-tight seal
- Lightweight high-tensile steel

STRAMIT PREMIER 300™ FASTENERS

All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). For further details on the correct fasteners for this product please see page 21.

STRAMIT PREMIER 300™ FASTENER POSITION

SHEETING MASS

STRAMIT PREMIER 300™ CLADDING - SHEETING MASS (kg/m² of wall area)

thickness	grade	ZINCALUME®	COLORBOND®
0.55mm bmt	G300	5.89	5.93

PRESSURES

STRAMIT PREMIER 300™ CLADDING - SERVICEABILITY LIMIT STATE CAPACITY

thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown		
			450	600	900
0.55	1	internal	1.65	1.59	1.45
		equal	1.65	1.59	1.45
		double	1.65	1.59	1.45

STRAMIT PREMIER 300™ CLADDING - STRENGTH LIMIT STATE CAPACITY (CYCLONIC)

thickness bmt (mm)	fasteners per sheet at each support	span type	pressure (kPa) at the spans (mm) shown		
			450	600	900
0.55	1	internal	4.50	3.00	1.56
		equal	4.50	3.00	1.56
		double	4.50	3.00	1.56

STRAMIT® ROOF AND WALL FASTENERS

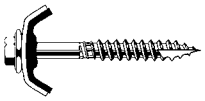
All fastening screws must conform to AS3566 – Class 3 (Class 4 for severe marine environment). Screws used for external roof applications must be used with sealing washers. Cyclone caps should be used for crest fixing of roofs unless otherwise specified by the designer.

fixing type		fastener	Speed Deck Ultra®	CapacityPlus™ 660	Monoclad®	Stramit® Longspan	Stramit® Corrugated	SharpLine® Direct fix***	SharpLine® Clip fix***	Mini Corry®	Stramit Premier 300™
FOR STEEL *											
Crest fixing	Hex head	14 - 10 x 50mm self drilling and threading screw			✔	✔	✔				
	Hex head	14 - 10 x 78mm self drilling and threading screw		✔							
Clip fixing	Hex head	12 - 14 x 30mm self drilling and threading screw	✔								
	Smooth head	10 - 16 x 16mm self drilling & threading screw							✔		
Pan fixing	Hex head	14 - 10 x 25mm self drilling & threading screws for fixing walls			✔	✔	✔				
	Wafer head	10 - 16 x 16mm self drilling & tapping screws						✔		✔	✔
FOR TIMBER**											
Crest fixing	Hex head	14 - 10 x 50mm Type 17 screw					✔				
	Hex head	14 - 10 x 65mm Type 17 screw			✔	✔					
	Hex head	14 - 10 x 90mm Type 17 screw		✔							
Clip fixing	Hex head	12 - 14 x 50mm Type 17 screw	✔								
	Flat head	10 - 12 x 25mm Type 17 screw							✔		
Pan fixing	Hex head	14 - 10 x 25mm Type 17 screw for fixing to walls			✔	✔	✔				
	Wafer head	10 - 12 x 25mm wafer head Type 17 screw						✔		✔	✔
SIDE LAPS											
	Hex head	8 - 15 x 15mm self drilling and threading screw			✔	✔	✔				
	Hex head	10 - 16 x 16mm self drilling & tapping screw		✔							

* Refer to page 7 of this brochure for details of suitable screws and capacity when fixing to 0.75mm steel cyclonic batten.
** In all cases where timber battens or supports are used their suitability and capacity for use in cyclonic conditions must be verified.
***Sheeting must be riveted together 25mm from the ends, at a 10mm height as described on page 18 of this manual.

CYCLONE CAPS

Cyclone cap for corrugated cladding profiles



Cyclone cap for square rib cladding profiles

Cyclone cap for corrugated or square rib profiles

UNIVERSAL CYCLONE CAP FOR FLASHINGS

Universal rubber domed cyclone cap for flashings

CYCLONIC WASHER FOR SHARPLINE® DIRECT FIX

Washer to be used between sheeting and screw head

PROCUREMENT

LENGTH

Stramit® roof and wall cladding is supplied cut-to-length. The manufacturing tolerance on the length of product supplied is +0, -15mm.

DELIVERY/UNLOADING

Delivery is subject to the delivery location, quantity and material availability, or can be at a pre-arranged date and time. Please ensure that suitable arrangements have been made for truck unloading, as this is the responsibility of the receiver. Pack mass may be up to one tonne. When lifting Stramit® roof and wall cladding, care should be taken to ensure that the load is spread to prevent damage.

HANDLING/STORAGE

Stramit® roof and wall cladding should be handled with care at all times to preserve the product capabilities and quality of the finish. Cut-resistant or leather gloves should be worn when handling product. Foot protection should be worn when handling and transporting product. Packs should always be kept dry and stored above ground level while on site. If the sheets have become wet, they should be separated, wiped and placed in the open to promote drying.

INSTALLATION

SITE INDUCTION

Consideration should be given to handling and installation issues as part of site induction safety procedures. Specific consideration should be given to pack handling, avoidance of cuts, trips, slips and falls, long sheet handling, particularly in windy conditions, sheet cutting procedures and surface temperature on sunny days. Personal protection equipment (PPE) should always be used.

FASTENERS

All screws are to be hexagon, wafer or flat headed as stated on page 22 and may be used with sealing washers if exposed. When ordering fasteners, allow for general wastage and loss of screws.

INSULATION

Fastener sizes given are for insulation thickness of up to 50mm. Increased thicknesses up to 100mm require fasteners that are 20mm longer. However, care must be taken when fixing the sheet. Stand on pans either side of rib to compress the additional material, then fix fasteners until seal is touching. Do not over-tighten fasteners.

INSTALLATION

For correct and detailed installation details of these and other Stramit® cladding products, refer to the corresponding technical literature available from your local Stramit Building Products office or the Stramit website.

WALKING

As with all roofing products, extra caution should be taken when walking on the roof. When walking on cladded roofing always wear flat rubber-soled shoes.

With Stramit Monoclad®, Speed Deck Ultra® and CapacityPLUS® cladding, place feet only in the pans, taking care to avoid the last pan or two, near the edges of the metal roof area.

For Stramit Longspan® and Stramit® Corrugated cladding place feet on at least two ribs, again taking care to avoid the last rib or two, near the edges of the metal roof area.

EXPOSED EDGES

To avoid the risk of cuts, applications accessible to personnel should be designed to avoid exposed edges. Sheet ends should be well recessed or covered by flashing with folded edges. Exposed sheet overlaps fit snugly when side lap fasteners are correctly installed, and are generally satisfactory.

GOOD PRACTICE

Stramit Building Products recommends that good trade practice be followed when using these products, such as that found in Australian Standards Handbook HB39.

CUTTING

Stramit® roof and wall cladding can be easily cut, where required, using a power saw with a steel cutting blade or a power nibbler and, for localised cutting, tin-snips. Avoid the use of abrasive discs as these can cause burred edges and coating damage. Please dispose of any off-cuts carefully.

ADDITIONAL INFORMATION

MAINTENANCE

Exterior surfaces of metal products unwashed by rain can benefit from occasional washing to remove build-up of corrosive salts. Typical areas are walls beneath eaves or awnings, and soffits or eaves linings.

Should it be necessary to wash Stramit® roof and wall cladding (COLORBOND® or zinc-aluminium coated steel) follow the procedure below:

1. Wash the surface with a mild solution of pure soap or non-abrasive, non-toxic, kitchen detergent in warm water using a sponge, soft cloth or bristle nylon brush.
2. Thoroughly rinse with clean water immediately after cleaning.

Warning: Never use abrasive or solvent type cleaners (e.g. turpentine, petrol, thinners or kerosene) on COLORBOND® materials.

WEBSITE

All Stramit literature as well as specifications is available for download from the Stramit website www.stramit.com.au

CONTACT US

Visit **stramit.com.au** or contact us using the details below.

REGION	LOCATION	CONTACT DETAILS	TECHNICAL ENQUIRIES
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	COFFS HARBOUR 6 Mansbridge Dr, Coffs Harbour NSW 2450	Ph 02 6656 3800	
	NEWCASTLE 17 Nelson Rd, Cardiff NSW 2285	Ph 02 4041 3400	
	ORANGE 51 Leewood Dr, Orange NSW 2800	Ph 02 6360 9200	
VIC	MELBOURNE 3/1464 Ferntree Gully Rd, Knoxfield VIC 3180	Ph 03 9237 6300	Ph 03 9237 6353
	ALBURY 18 Ariel Dr, Albury NSW 2640	Ph 02 6092 3700	
	BENDIGO Lot 7-9 Ramsay Court, Kangaroo Flat VIC 3555	Ph 03 5448 6400	
TAS	HOBART 57 Crooked Billett Dr, Brighton TAS 7030	Ph 03 6262 8788	Ph 03 9237 6353
SA	ADELAIDE 11 Stock Rd, Cavan SA 5094	Ph 08 8219 2000	Ph 08 9493 8823
SOUTH QLD	BRISBANE 57-71 Platinum St, Crestmead QLD 4132	Ph 07 3803 9999	Ph 07 3803 9869
	MARYBOROUGH 10 Activity St, Maryborough QLD 4650	Ph 07 4123 9500	
	ROCKHAMPTON 41 Johnson St, Parkhurst QLD 4702	Ph 07 4921 5600	
NORTH QLD	CAIRNS 53 Vickers St, Edmonton QLD 4869	Ph 07 4034 6555	Ph 07 3803 9869
	TOWNSVILLE 402-408 Bayswater Rd, Garbutt QLD 4814	Ph 07 4412 3900	
WA	PERTH 605-615 Bickley Rd, Maddington WA 6109	Ph 08 9493 8800	Ph 08 9493 8823

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