



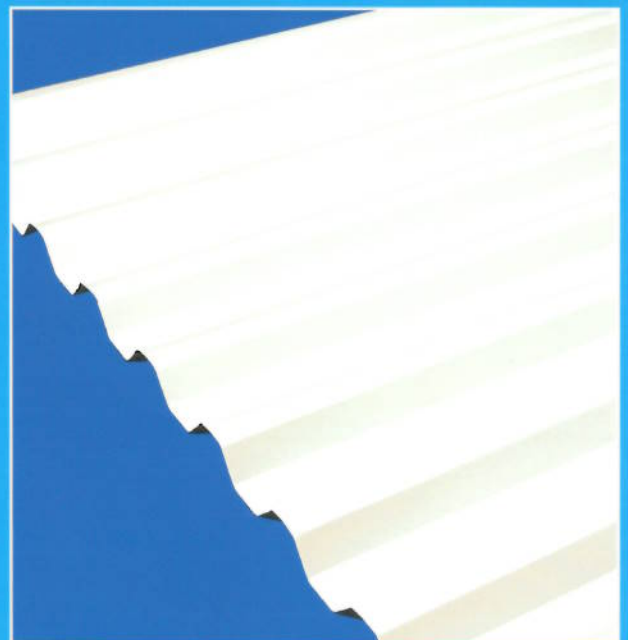
# Spandek®

## Roof and Wall Cladding



**SPANDEK® is a contemporary-looking, trapezoidal profile which is ideal where a stronger, bolder, more modern corrugated appearance is required.**

SPANDEK® combines strength with lightness, rigidity and economy and is available in an attractive range of colours in COLORBOND® factory pre-painted steel and in unpainted ZINCALUME® aluminium/zinc alloy coated steel.



[www.roofingcentretas.com.au](http://www.roofingcentretas.com.au)



# Spandek®

## Roof and Wall Cladding

### INSTALLATION

SPANDEK® is pierce-fixed to timber or steel supports. This means that fastener screws pass through the sheeting.

You can place screws for SPANDEK® through the crests or in the valleys. To maximise watertightness, always place roof screws through the crests. For walling, you may use either crest- or valley-fixing.

Always drive the screws perpendicular to the sheeting, and in the centre of the corrugation or rib.

Don't place fasteners less than 25 mm from the ends of sheets.

### SIDE-LAPS

The edge of SPANDEK® with the anti-capillary groove is always the underlap (see figures on this page). It is generally considered good practice to use fasteners along side-laps however, when cladding is supported as indicated in Maximum support spacings, side-lap fasteners are not usually needed for strength.

### END LAPPING

End-laps are not usually necessary because SPANDEK® is available in long lengths.

If you want end-laps, seek our advice on the sequence of laying and the amount of overlap.

### ENDS OF SHEETS

It is usual to allow roof sheets to overlap into gutters by about 50 mm. If the roof pitch is less than 25° or extreme weather is expected, the valleys of sheets should be turned-down at lower ends, and turned-up at upper ends by about 80°.

### LAYING PROCEDURE

For maximum weather-tightness, start laying sheets from the end of the building that will be in the lee of the worst-anticipated or prevailing weather.

It is much easier and safer to turn sheets on the ground than up on the roof. Before lifting sheets onto the roof, check that they are the correct way up and the overlapping side is towards the edge of the roof from which installation will start.

Place bundles of sheets over or near firm supports, not at mid-span of roof members.

### SHEET-ENDS ON LOW SLOPES

When SPANDEK® is laid on slopes of 5 degrees or less, cut back the corner of the under-sheet, at the downhill end of the sheet, to block capillary action.

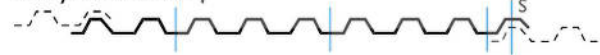
### Fasteners without insulation

	Fixing to steel up to 0.75 mm BMT	Fixing to steel 1 to 3 mm BMT	Fixing to timber
Crest fixed	Metal Batten Tek screws 13-13 x 55 OR Type 17 screws with hex. washer-head, EPDM seal, Higrip & Shankguard 12-11 x 50	Metal Tek screws with hex. washer-head, EPDM seal, Higrip & Shankguard 12-14 x 45	Type 17 screws with hex. washer-head, EPDM seal, Higrip & Shankguard SOFTWOOD: 12-11 x 65 HARDWOOD: 12-11 X 50
	Type 17 screws with hex. washer-head & EPDM seal 10-12 x 20 OR Metal Tek screws with hex. washer-head & EPDM seal 10-16 x 16	Metal Tek screws with hex. washer-head & EPDM seal 10-16 x 16	Type 17 screws with hex. washer-head & EPDM seal SOFTWOOD: 10-12 x 30 SOFTWOOD: 10-12 x 20
Valley fixed	Type 17 screws with hex. washer-head & EPDM seal 10-12 x 20 OR Metal Tek screws with hex. washer-head & EPDM seal 10-16 x 16	Metal Tek screws with hex. washer-head & EPDM seal 10-16 x 16	Type 17 screws with hex. washer-head & EPDM seal SOFTWOOD: 10-12 x 30 SOFTWOOD: 10-12 x 20
Side lap & accessories	Metal Tek needle point stitching screws with hex. slot-head & EPDM seal: 8-15 x 15 OR Metal Tek screws with hex. washer-head & EPDM seal: 10-16 x 16 OR Sealed blind rivets: 4.8 mm diameter aluminium		

Crest: 3 fasteners†



Valley: 3 fasteners†



Crest: 4 fasteners†



Valley: 4 fasteners†



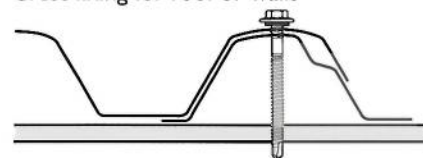
† Fasteners per sheet per support. Most common practice is: 3 fasteners for internal spans and 4 fasteners for single and end spans. S = Side-lap

Type of span	Maximum support spacing (mm)	
	0.42	0.48
<b>Roofs</b>		
Single span	1300	2000
End span	1800	2200
Internal span	2400	3000
Unstiffened eaves overhang	300	400
Stiffened eaves overhang	600	700

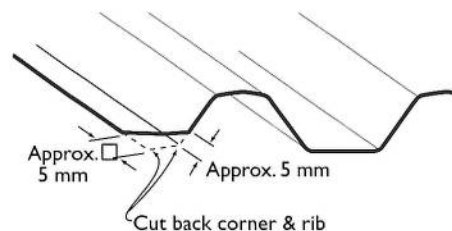
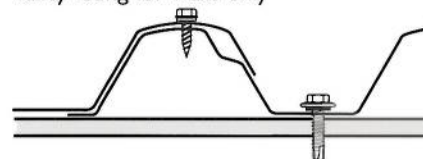
Type of span	Maximum support spacing (mm)	
	0.42	0.48
<b>Walls</b>		
Single span	2500	3000
End span	3000	3000
Internal span	3300	3300
Overhang	300	400

\* For roofs: the data are based on foot-traffic loading.  
\* For walls: the data are based on pressures  
• Table data are based on supports of 1mm BMT.  
• Spacing is based on 4 fasteners per sheet per support.

Crest fixing for roof or walls



Valley fixing for walls only



### MAXIMUM ROOF LENGTHS FOR DRAINAGE MEASURED FROM RIDGE TO GUTTER (M)

Penetrations will alter the flow of water on a roof. For assistance in design of roofs with penetrations, please seek our advice.

Peak rainfall intensity mm/hr	Roof slope					
	1°	2°	3°	5°	75°	10°
100	-	-	111	133	154	173
150	-	-	74	89	103	115
200	-	-	55	67	77	86
250	-	-	44	53	62	69
300	-	-	37	44	51	58
400	-	-	28	33	39	43
500	-	-	22	27	31	35



COLORBOND®, ZINCALUME®, LYSAGHT® & SPANDEK® are trademarks of BlueScope Steel Limited. The Roofing Centre is a wholly owned subsidiary of BlueScope Steel Limited. ABN 16 000 011 058