

# Steeline LOKDEK 700

HI-TENSILE CONCEALED  
FIXED ROOF OR WALL  
CLADDING



Colorbond® Zinalume®

**LOKDEK 700** is a concealed fixed roof using NO roof piercing fasteners. This allows thermal expansion on long roof sheets. Wide spans and high ribs give excellent water carrying capacity down to one degree roof pitch. Lokdek 700 is suitable for domestic and commercial roofing and is available in a wide range of colours.

Ph. 1300 STEELINE

[steeline.com.au](http://steeline.com.au)



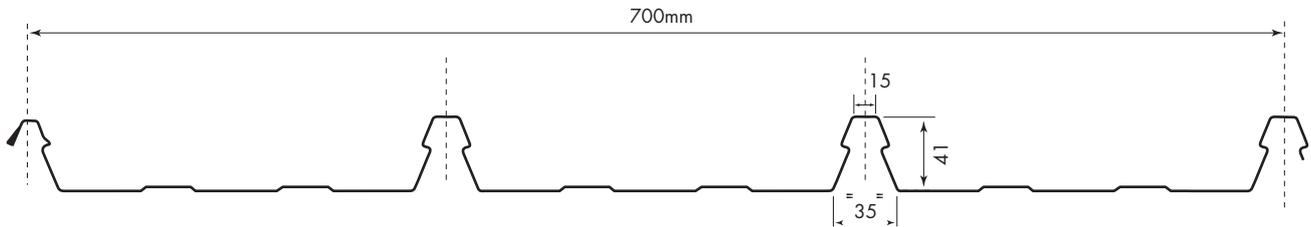
Service over and above

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## Material Specification

0.42 or 0.48	Zincalume®	G550 AM125
0.42 or 0.48	Galvanised	G550 Z450
0.42 or 0.48	Colorbond®	G550 AM100

## SPECIAL ORDERS

Stainless Steel, Metallic, Coolmax and Ultra

## Product Mass

	BMT	kg/m <sup>2</sup>	m <sup>2</sup> /Tonne
0.42	Zincalume®	4.61	217
0.42	Colorbond®	4.64	215
0.42	Galvanised	5.05	198
0.48	Zincalume®	5.24	191
0.48	Colorbond®	5.25	189
0.48	Galvanised	5.69	175

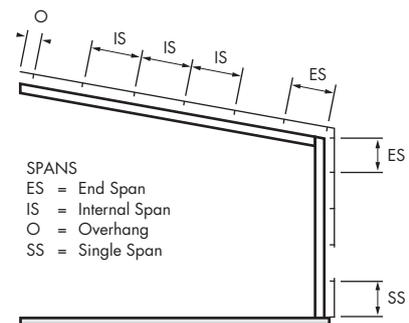
## Wind Load Conversion

WIND CLASSIFICATION	REGION & CATEGORY
<b>(Domestic)</b>	<b>(Commercial/Industrial)</b>
N1 (W28)	Reg A, Cat 3
N2 (W33)	Reg A, Cat 2.5 - Reg B, Cat 3
N3 (W41)	Reg A, Cat 2 - Reg B, Cat 2.5
N4 (W50)	Reg B, Cat 2

## Maximum Support Spacings (mm)

Type of Span	Thickness (mm)	BMT
	<b>.42</b>	<b>.48</b>
<b>ROOFS</b>		
Single Span	1650	2050
End Span	1750	2350
InternalSpan	2200	2800
Unstiffened Eaves Overhang	150	200

Maximum Support Spacing has been determined by load tests and deflection in accordance with AS 1562-1 AS 4040 1 & 2 1992.



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## FIXING DETAILS

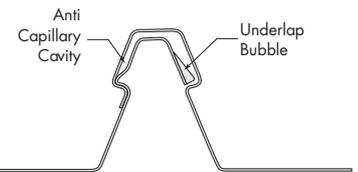
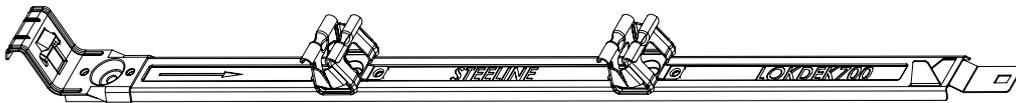
### Installation Procedure

1. The first row of clips must be in line to suit first roof tray.
2. Snap the first sheet over the LOKDEK clips. Screw the lap onto the clip. First sheet only.
3. Place the next clip over the first sheet underlap and click into retaining tag on first clip. This will stop the sheets from spreading. Now screw the clip to purlin with three screws.
4. Snap the next sheet onto the clip. Ease the overlap over the underlap, making sure the ribs all engage over the clips. Continue procedure.

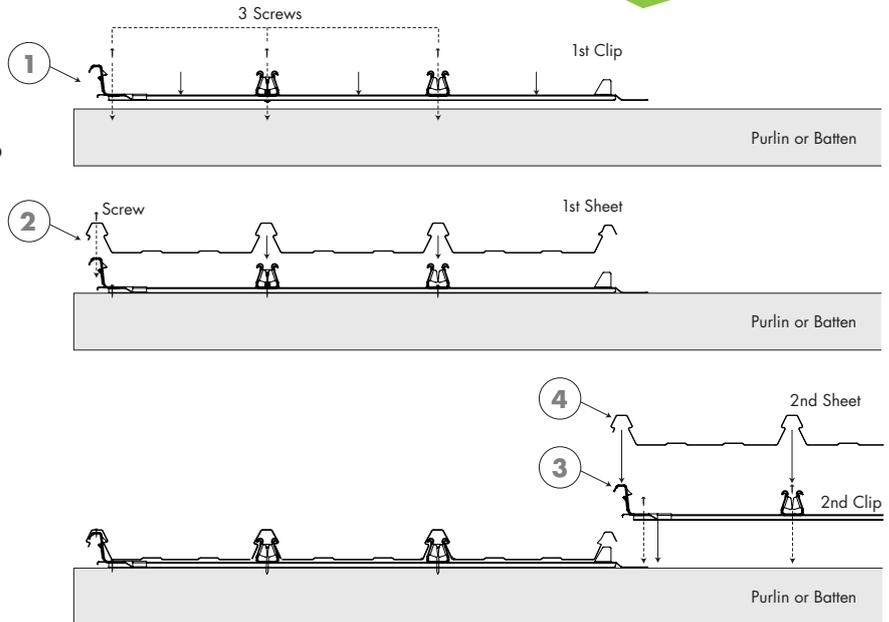
**NOTE:** The last sheet may have to be cut and a screw used on the last rib.

### LOKDEK 700 CLIP

The Mk. 3 clip consists of a rigid rail design with an overlocking feature to prevent spreading. The clip has a positive overlap on the adjoining sheet with two spring loaded central rib clips. Only three HEX HD fasteners per clip.



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### Design Considerations

Recommended minimum Pitch:

.42 LOKDEK = 2°

.48 LOKDEK = 1°

### Length

- LOKDEK is custom cut to your exact length.
- Length is governed by transport regulations.
- 25 metre sheets can be carried on our extendable trailers.

### Fixing to Steel or Timber

	Fixing to Steel	Fixing to Timber
HEX HD	12 - 14 x 20	M 5.5 x 40
Insulwool	12 - 14 x 30	

### Best in the long run

Tested by James Cook University



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## .42 Bmt LOKDEK 700

Limit State Wind Pressure Capacities (kpa)

3 Screws per Clip						
SPAN TYPE		900	1200	Span mm		
				1500	1800	2100
SINGLE	Serviceability	1.75	1.68	1.41	1.15	
	Strength	3.72	3.75	3.05	2.39	
END	Serviceability	1.72	1.63	1.51		
	Strength	3.74	3.26	2.78		
INTERNAL	Serviceability	1.90	1.71	1.63	1.53	1.35
	Strength	4.08	3.69	3.30	2.91	2.52

### Compliance

Wind pressure capacity tables have been determined by full scale testing in accordance with AS 1562.1 and AS 4040.1 & 2 1992.

Non-Cyclonic areas.

## .48 Bmt LOKDEK 700

Limit State Wind Pressure Capacities (kpa)

3 Screws per Clip							
SPAN TYPE		900	1200	Span mm			
				1500	1800	2100	2400
SINGLE	Serviceability	2.74	2.08	1.83	1.40	1.10	
	Strength	5.87	4.80	3.52	2.86	2.33	
END	Serviceability	2.37	2.04	1.67	1.63		
	Strength	4.68	3.82	3.15	2.61		
INTERNAL	Serviceability	2.57	2.25	2.04	1.74	1.65	1.53
	Strength	5.33	4.47	3.81	3.27	2.81	2.42

### Benefits of LOKDEK Roofing

- Pitch down to 1°.
- No Pierced fixing, eliminating potential leaks.
- Clips provide for thermal expansion on long sheets.
- Strong ribbed trays give excellent water carrying capacity.

### Water Carrying Capacity

Maximum roof run for drainage (m)

Roof Slope	Peak Rainfall Intensity (mm/hr)				
	150	180	200	250	300
1°	262	218	196	157	131
3°	454	378	340	272	227
5°	586	488	439	351	293



Air Box testing by James Cook University

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