

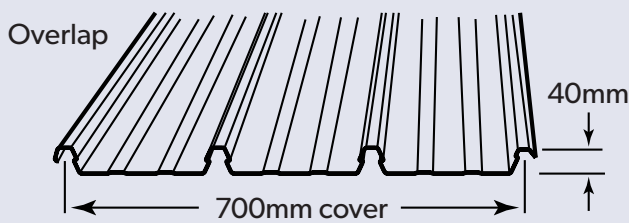


KingKlip[®] 700

Western Australia



When it comes to commercial concealed fix roofing, nothing comes bigger or better than 100% Australian KingKlip® 700 (WA). At 700mm wide, it's one of the most economical concealed-fix decking profiles in the market.



The perfect solution to any commercial roofing project.

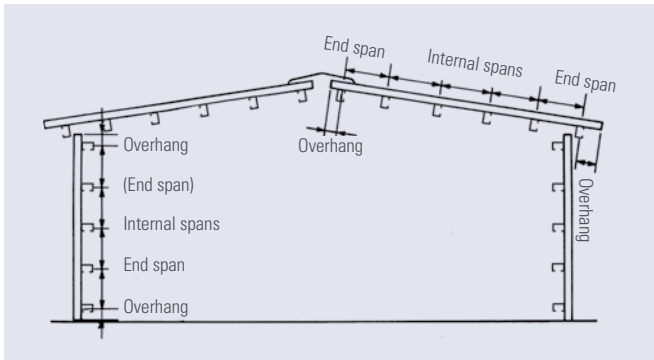
- KingKlip® 700 (WA) clips provide incredible holding strength and stability without puncturing the sheeting.
- The clips are also self spacing to ensure perfect accuracy.
- Available in the full range of light and heavy gauge BlueScope COLORBOND® steel colours and ZINCALUME® steel.
- Unbeatable size, strength and watertightness.
- Suitable for both roof and wall applications.

KingKlip® 700 (WA) Material Specifications

Material Specifications			Notes
Base Metal Thickness (mm)	0.42	0.48	BMT
Total Coated Thickness (mm)	0.47*	0.53*	TCT
Mass / Unit Length (kg/m)	ZINCALUME® steel	3.23	1000/(Lm/Tonne)
	COLORBOND® steel	3.26	
Mass / Unit Area (kg/m ²)	ZINCALUME® steel	4.61	1000/(Lm Mass/700)
	COLORBOND® steel	4.65	
Minimum Yield Strength (mPa)	G550		Base Steel Designation
Available Coating Classes	Z600 (Heritage Galvanised), AM100 (COLORBOND® steel), AM125 (ZINCALUME® steel), AM150 (COLORBOND® Ultra steel) and Z450 (Galvanised)		Minimum Coating g/m ²
Coverage (mm)	700		
Tolerance (mm)	Length: +0mm, -15mm; Width: +4mm, -4mm		
Thermal Expansion	2.9mm average per 5m at 50°C change		

*Total Coated Thickness (TCT) is based on Standard COLORBOND® steel single-sided material. For other painted steel options please contact a Fielders representative. KingKlip® 700 (WA) is manufactured to AS 1397 and AS 2728 to be installed in accordance with AS 1445, AS 1562, and HB39. The sectional properties are theoretical values per sheet width. These properties are gross values only.

Maximum Recommended Spans KingKlip® 700 (WA)#



Span	Wind Region	BMT	End	Internal
Wall Cladding Span*	A	0.42	2900	3000#
		0.48	3000#	3000#
	B	0.42	2300	3000#
		0.48	2550	3000#
Roof Cladding Span**	A	0.42	2000	2700
		0.48	2600	3000#
	B	0.42	1800	2600
		0.48	2100	3000#

Maximum recommended spans based on Non-Cyclonic wind pressure capacities using Non-Cyclonic clips only. Table data is based on supports of 1mm BMT.

* Spans in excess of 3000mm may be available subject to enquiry.

*For wall cladding spans: the data are based on pressures.

**For roofs: the data are based on foot-traffic loading.

Maximum Support Spacings

The maximum recommended support spacings are based on testing in accordance with AS1562.1:1992, AS4040.0:1992 and AS4040.1:1992. Roof spans consider both resistance to wind pressure and light roof traffic (traffic arising from incidental maintenance). Wall spans consider resistance to wind pressure only.

These spacings may be governed by serviceability and strength limit states for particular projects. The pressure considered is based on buildings up to 10m high in Regions A & B, Terrain Category 3, $M_s=0.85$, $M_i=1.0$, $M_t=1.0$ with the following assumptions made:

Roofs:

$C_{pi}=+0.20$, (Region A: $C_{pe}=-0.65$) (Region B: $C_{pe}=-0.90$),

Walls:

$C_{pi}=0.20$, $C_{pe}=-0.65$

Region B: $K_1=2.0$ for single and end spans, $K_1=1.5$ for internal spans. Region A: $K_1=2.0$ for all spans

KingKlip® 700 (WA) Clip Fixing Screw Selection

Fixing Supports	Clip Fixed
Steel single thickness ≥ 1.0 mm BMT up to 3.0mm BMT	5.4-14x25, Vortex, HH 12-14x30 Concealed Hex Tek's
Steel total lapped thicknesses of ≥ 1.0 mm BMT up to 3.8mm BMT	5.4-14x25, Vortex, HH 12-14x30 Concealed Hex Tek's
Timber Hardwood (J1-J3)	5.4-14x25, Vortex, HH
Timber Softwood (J4)	5.4-14x25, Vortex, HH

For other steel thicknesses not specified please seek advice from screw manufacturer. 2] HH = Hex. Head
3] Use three screws per clip.

KingKlip® 700 (WA) Accessories

Notching tools, Turn down tools, Turn up tools, closures and rib caps are also available from Fielders. Full COLORBOND® steel range KingKlip® 700 (WA) is available in ZINCALUME® steel and in the full BlueScope COLORBOND® steel range. Special colours can be manufactured for larger projects. COLORBOND® Ultra steel (pre-painted steel for exterior severe environments) is also available. Other accessories include: Long Length Flashings, Gutters, Vent Ridges, Gable Vents, Barges, Ridge Capping and Downpipes.

Compatibility

Lead is not compatible with ZINCALUME® steel or COLORBOND® pre-painted steel. Care should be taken to avoid run-off from copper and chemically treated timber or contact with moist or undried timber. In these cases localised corrosion may result. Drainage from ZINCALUME® steel or COLORBOND® steel roofing should not be allowed to discharge into Galvanised coated roofing products.

Minimum Roof Pitch

The recommended minimum pitch for KingKlip® 700 (WA) is 1° (1:50). Care should be taken that purlins are in the same plane. As a precaution, it is advisable to design for a minimum of 2° with timber purlins (1:30) which will ensure a positive fall and avoid water ponding due to purlin inaccuracy.

KingKlip® is a registered trademark of Fielders. COLORBOND® steel, ZINCALUME® steel are registered trademarks of BlueScope Steel Limited.



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