



FIELDERS

KingKlip[®] 700

Fielders Profiles - Ideas to Shape the Future

Colobond[®]



When it comes to commercial concealed fix roofing, nothing comes bigger or better than 100% Australian KingKlip® 700. At 700mm wide, it's one of the most economical concealed-fix decking you can get. As to length, the only limit is your imagination, thanks to our unique mobile rolling mill.

The perfect solution to any commercial roofing project.

KingKlip® 700 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® colours and Zinalume®.

Unbeatable size, strength and watertightness.

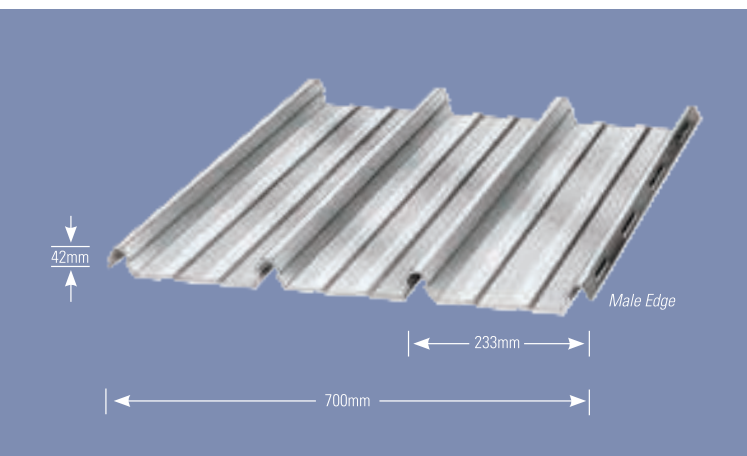
Fielders 20 Year Concealed Fix Watertight Installation Guarantee.

Rolling your sheets on-site reduces transport and handling costs.

Suitable for both Roof and Wall applications.

Sprung, smooth and crank curving suitability. Refer to Fielders Roofing and Walling Manual for specific curing information/capabilities.

Suited and comprehensively tested for both Cyclonic and Non-Cyclonic conditions/applications.



Product Specification

KingKlip® 700 Product Specification

Below you will find a brief overview of some of the product's technical information which you or your Architect, Engineer or Builder may require regarding the Fielders' KingKlip® 700 Sheet Profile. For more information and to read the complete product specifications and installation recommendations please view and download the Fielders Roofing and Walling Manual available at fielders.com.au

KingKlip® 700 Material Specifications

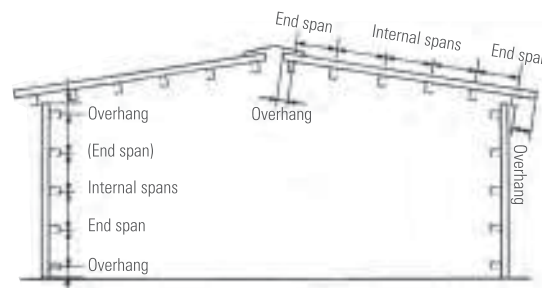
Material Specifications				Notes
Base Metal Thickness (mm)		0.42	0.48	BMT
Total Coated Thickness (mm)		0.47*	0.53*	TCT
Mass / Unit Length (kg/m)	Zincalume®	3.26	3.70	1000/(Lm/Tonne)
	Colorbond®	3.32	3.76	
Mass / Unit Area (kg/m ²)	Zincalume®	4.66	5.28	1000/(Lm Mass/700)
	Colorbond®	4.74	5.37	
Minimum Yield Strength (mPa)		G550		Base Steel Designation
Available Coating Classes		Z600 (Heritage Galvanised), AM100 (Colorbond®), AM125 (Zincalume), AM150 (Colorbond® Ultra) and Z450 (Galvanised)		Minimum Coating g/m ²
Coverage (mm)		700		
Tolerance (mm)		Sheet Length ±7mm Cover Width ±4mm		
Thermal Expansion		2.9mm average per 5m at 50°C change		

*Total Coated Thickness (TCT) is based on Standard COLORBOND® single-sided material. For other painted steel options please contact a Fielders representative.

KingKlip® 700 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 (mm) KingKlip® 700#

	Wind Region	Base Metal Thickness	Terrain Category 2		Terrain Category 3	
			End	Internal	End	Internal
Wall Cladding Span	A	0.42	2400	3300	2850	3300
		0.48	2800	3600	3150	3600
	B	0.42	1650	3300	2350	3300
		0.48	1900	3600	3000	3600
Roof Cladding Span	A	0.42	1950	<i>2500</i>	<i>2000</i>	<i>2500</i>
		0.48	2350	<i>3300</i>	<i>2600</i>	<i>3300</i>
	B	0.42	1200	<i>2500</i>	1750	<i>2500</i>
		0.48	1300	<i>3300</i>	2100	<i>3300</i>



#Maximum recommended spans based on Non-Cyclonic wind pressure capacities using Non-Cyclonic clips only. For wind pressure capacities and detailed information on Non-Cyclonic conditions using Superclips and also screw fixed for Cyclonic conditions refer to Fielders Roofing and Walling Manual. Spans shown in italics are limited by foot traffic requirements.

KingKlip® 700 Clip Fixing Screw Selection - Non Cyclonic*

Fixing Supports	Without Insulation
Steel ≥ 1.5mm	10-16x16mm Metal Tek's hexagon head screws
Timber Hardwood	12-11x25mm Type 17 hexagon head screws
Timber Softwood	M5.5-11x40mm Batten Zips hexagon head screws

Fasteners must be selected to match the life expectancy of the cladding material. Recommendations from fastener manufacturers should be sought. Only fasteners complying with AS 3566 and those that are compatible with the roofing material should be used for its fastening.

*Fixings shown in the table refer to required fixings for Non-Cyclonic conditions with Non-Cyclonic clips only. For required fixings for other KingKlip® 700 variations (Cyclonic and Non-Cyclonic with Superclip and Cyclonic Screw Fixed) refer to Fielders Roofing and Walling Manual.

KingKlip® 700 Accessories: Notching tools, Turn down tools, Turn up tools, closures and rib caps are also available from Fielders. Full Colorbond® Range KingKlip® 700 is available in Zincalume® and in the full BlueScope Colorbond® range. Special colours can be manufactured for larger projects. Colorbond® Ultra (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® 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® or Colorbond® roofing should not be allowed to discharge into Galvanised coated roofing products.

Minimum Roof Pitch: The recommended minimum pitch for KingKlip® 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. Refer to Fielders Roofing and Walling Manual for detailed information.



We go to greater lengths on site

If you could create steel roofing and decking with no seams, expansion joints or fixing holes, you'd have the perfect roof... and that's what Fielders Mobile Mills deliver. Forward thinking has placed all of Fielders decks in custom-built containers, consequently Fielders can roll all of their concealed fixed roofing profiles throughout Australia, even in the remotest regions and are ready for the world. Our Fielders Mobile Mills rollform steel roofing and decking to order, on site. Lengths of up to 100 metres have already been achieved and the possibilities are endless. With Fielders Mobile Mill you get any length you want and expansion joints are virtually eliminated, as are multiple, long-load deliveries. Fielders Mobile Mills also cut down dramatically on material handling costs. There's no need for the traditional convoy of expensive long-load sheet deliveries, because now just one truck can do it all. So it's cheaper and faster than transporting ready-made sheets, and cuts down on handling and damage. Plus, our mobile crank curvers can create precision curves on-site, adding a whole new twist to your designs.

Guarantees

KingKlip® 700 may cost a bit more than conventional screw-fix decking. But wider sheets mean fewer sheets, fewer laps and faster installation, and the 42mm deep profile adds strength so you also need fewer purlins. KingKlip® 700's unique spring-tensioned clips and sliding brackets allow the sheets to move with temperature changes, eliminating the need for expansion joints.

Fielders revolutionary full-width heavy duty KingKlip® 700 clips provide incredible holding strength and stability without puncturing the sheeting. The clips are also self spacing to ensure perfect accuracy.

No screws, no holes, no leaks. And that's no bull. In fact, we're so confident in our KingKlip® 700 roofs that we back them with a watertight installation guarantee. Simply follow the Fielders 3-point roofing plan.



Fielders 3-point roofing plan

- 1. Fielders Roof Sheeting and Accessories**
The roofing/walling shall be KingKlip® 700 manufactured by Fielders in continuous lengths fixed to purlins/girts with fully interlocking KingKlip® 700 clips prespaced at 700mm. Sheeting shall be AZ150, G550 grade zinc aluminium coating with or without a prepainted finish.
- 2. Roofing Contractor**
The roof sheeting, walling and accessories shall be installed by a Fielders Approved Contractor in accordance with Fielders specifications.
- 3. Watertight Installation Guarantee**
Upon practical installation of the roof by the Fielders Approved Contractor, a 20 year Concealed-Fix Watertight Installation Guarantee for KingKlip® 700 will be issued which will cover the performance of all Fielders products, the site workmanship and the Watertight Installation of the Fielders products.