



Design flexibility

High quality finish

Rapid build

Strong & Durable

Energy efficient

Sustainable

Low maintenance



Solaris® is one of Australia's most innovative next generation panels and building systems.

The Solaris® range of structural insulated roof and wall panels are widely used for home improvement, residential and commercial applications.

The Solaris® range delivers superior performance and design options, manufactured using COLORBOND® steel, Solaris® products comprise of a selection of surface profiles, varying thicknesses and customised lengths.

Each product is renowned for its contemporary all-in-one design, continuous long spans, made-to-order manufacture and commercial grade flatness. Wall and Roof panels offer superior structural performance, energy saving insulation and cyclonic wind resistance as well as ease of installation.

Beautiful Patios and Pergolas

Whether you are after a relaxation zone, an entertainment area, having all year round outdoor space or simply wanting to add value to your home, a Solaris® patio offers the solution.

With a full spectrum of options and a range of benefits including durability, style, ease of installation and a cost effective end to end solution.

Our patios are made from Solaris® panel with a versatile paneling system that easily fits to a number of applications. It provides protection from the elements which is an important aspect in the enjoyment of the outdoor lifestyle.

Solaris® patios offer a permanent high performance roof to cover your outdoor recreation area, providing year round shelter from the sun and rain. It can be erected as either free standing or an attached structure, with a skillion or gable roof type ensuring maximum flexibility in design and use.





RIDGEPANEL

Solaris® RidgePanel is a 4 rib insulated roof panel ideal for patios and residential applications where low pitch (2 degree min*) is required.



Services duct

- Standard 20x20mm

Genuine Colorbond® steel

- Roof and ceiling

Length Made to Order

- Maximum Length: 16m
- Minimum Length: 1.8m

Ceiling profiles

- Smooth & VJ finish*
- Available in Surfsmist® or Classic Cream™

Insulated core

- Lightweight and thermally efficient
- Available in a range of thicknesses



CORROPANEL

Solaris® CorroPanel offers the classic corrugated profile in an insulated roof panel made from Colorbond® Steel with superior span and thermal performance (5 degree min*).



Services duct

- Standard 20x20mm

Genuine Colorbond® steel

- Roof and ceiling

Length Made to Order

- Maximum Length: 12m
- Minimum Length: 1.8m

Ceiling profiles

- Smooth & VJ finish*
- Available in Surfsmist® or Classic Cream™

Insulated core

- Lightweight and thermally efficient
- Available in a range of thicknesses



SMOOTHPANEL

Multi purpose insulated panel. High quality, commercial class flatness, range of thicknesses, customised lengths and ease of installation make it an ideal building panel for projects of any scale. SmoothPanel is ideal for internal walls and ceilings for both residential and agricultural projects.

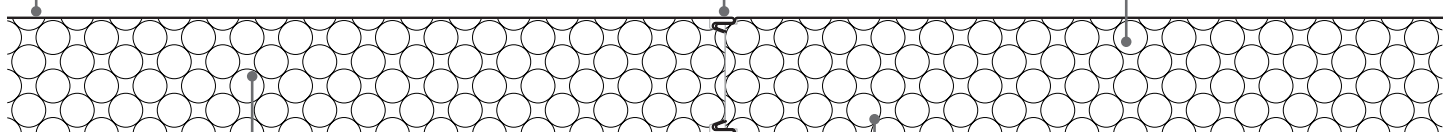


Genuine Colorbond® steel

- Colorbond® finish
- Anti-bacterial PermaGuard® food protection technology

Features SmoothPanel jointing system

Core finger jointed and thickness controlled



Insulated core

- Lightweight and thermally efficient
- Available in a range of thicknesses and grades

Range of ceiling profiles available

* Conditions may apply.



INNOVATIVE BUILDING SOLUTIONS



Easy Installation

- Easy step-by-step installation
- Kit consists of all components delivered to exacting standards reduces on-site labour
- All Solaris® distributors are fully equipped to guide and install the range of outdoor structures



Sustainable and Recyclable

- Less energy required to build
- Reduced energy required in heating and cooling



Quality

- Factory manufactured to precise dimensional tolerances and superior finishes
- Robust, low maintenance materials



Minimal Waste

- Less waste generated in the building process and less environmental impact



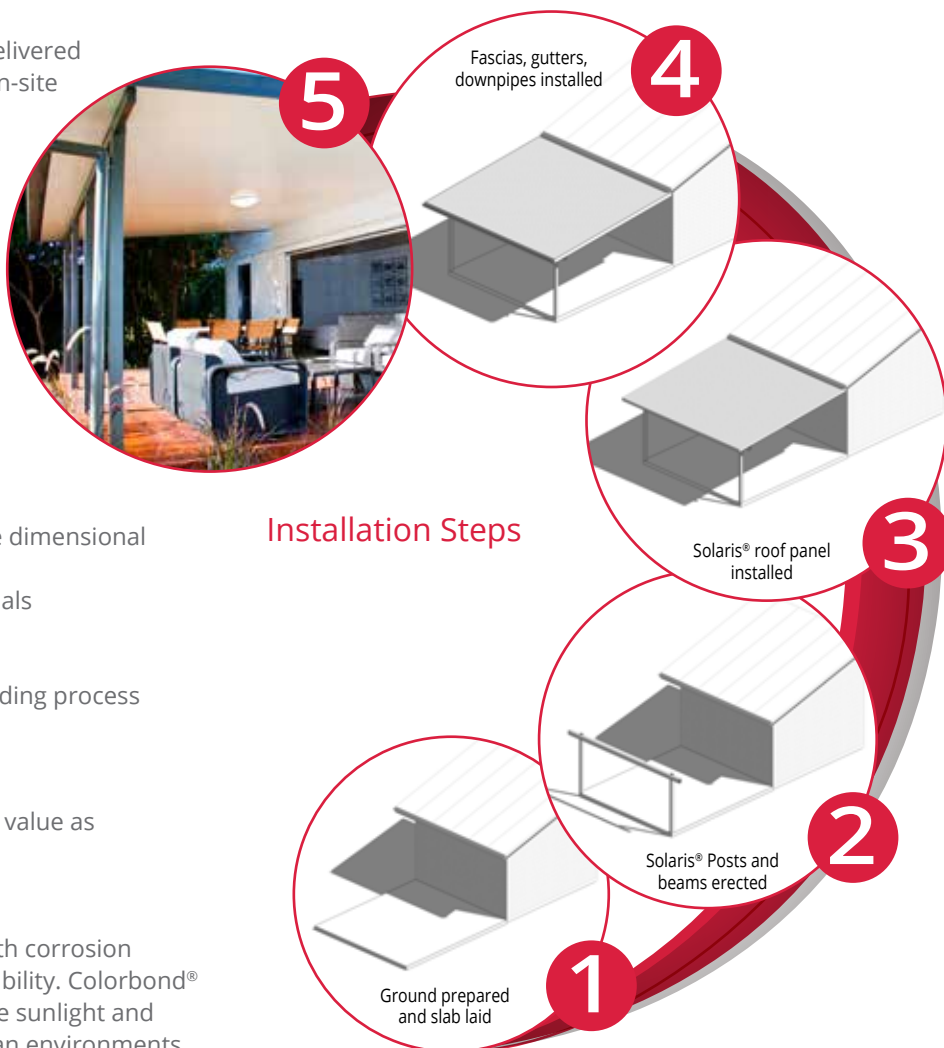
Superior Pest Resistance

- Solaris® Panel has no nutritional value as a food source



Durable

- Colorbond® end to end finish with corrosion resistance and paint colour durability. Colorbond® steel is developed for the intense sunlight and temperatures typical of Australian environments





Engineering

Roofing Panel Span Tables



RIDGEPANEL

Case A
3 Open
Sides /
Freestanding

Case B
2 Open Sides

Case C
1 Open Side

Case D
Fully
Enclosed



CORROPANEL

Case A
3 Open
Sides /
Freestanding

Case B
2 Open Sides

Case C
1 Open Side

Case D
Fully
Enclosed

Wind Category	Panel Thickness (mm)	Max. Span	Max. Span	Max. Span	Max. Span
N1/N2	50	5000	4400	4000	3800
	75	6300	5300	4800	4600
	100	7700	6100	5600	5400
	125	8000	6900	6300	6000
	150	8700	8100	7600	7200
	200	9800	9500	9100	7400
N3	50	4800	3500	3200	3000
	75	5800	4200	3800	3600
	100	6800	4900	4400	4300
	125	7600	5500	5000	4800
	150	8500	6100	5700	5400
	200	9600	7650	6650	6200
N4	50	4000	2800	2600	2500
	75	4700	3400	3000	2800
	100	5400	4000	3600	3500
	125	6000	4500	4100	3800
	150	6600	4700	4400	4100
	200	7200	5500	4600	4200
C1	50	4800	3500	3200	2500
	75	5800	4500	3800	3000
	100	6800	4900	4400	3600
	125	7600	5500	5000	4000
C2	50	3900	2800	2600	1900
	75	4700	3400	3000	1900
	100	5500	4000	3600	2600
	125	6200	4500	4100	2900
C3	50	3200	2300	1900	-
	75	3900	2400	2000	-
	100	4500	3200	2700	1800
	125	5100	3600	3000	1900

Maximum Cantilever/Overhang is 25% of immediate backspan.

Wind Category	Panel Thickness (mm)	Max. Span	Max. Span	Max. Span	Max. Span
N1/N2	50	5300	5100	4800	4200
	75	6800	6300	5400	5000
	100	7300	6700	6100	5300
	125	7900	7000	6400	6000
	150	8700	8200	7750	6500
	200	9700	9700	9000	7400
N3	50	5000	3800	3400	3400
	75	6000	5000	4100	3800
	100	6500	5400	4400	4300
	125	7400	5600	5000	4500
	150	8200	6600	5600	4800
	200	9500	7600	5600	5100
N4	50	4200	3100	2800	2600
	75	4920	4000	3480	3100
	100	5250	4300	3800	3500
	125	5950	4600	4000	3650
	150	6400	4970	4200	3800
	200	7300	5450	4500	4000
C1	50	4300	3800	3400	3100
	75	5400	4100	4000	3600
	100	5800	4400	4300	4200
	125	6000	5100	4600	4600
	125	6000	5100	4600	4600
C2	50	3600	2800	2900	2500
	75	4500	3400	3000	2900
	100	4900	3700	3300	3200
	125	5100	4000	3600	3400
	125	5100	4000	3600	3400
C3	50	2700	1800	1800	1200
	75	3400	2000	1950	1300
	100	3800	2300	2200	1600
	125	4000	2600	2500	1800

Maximum Cantilever/Overhang is 25% of immediate backspan.

NOTES

- These span tables apply to enclosed buildings less than 20 metres high with sealed doors and windows and patio roofing as shown.
- Maximum overhang lengths cannot exceed 25% of panel backspan. Customers are advised to use a thicker panel if greater overhang lengths are required.
- Minimum roof width is 1.5 x overhang.
- RidgePanel to be fixed every crest. Additional mid-crest fixing required for Wind Class C2, C3 and C4. Additional pan fixing required in Cyclonic Regions C1-C4.
- CorroPanel to be fixed every second crest for Non-Cyclonic N1-N4. Fixed every crest for Cyclonic C1-C3.
- Total live load up to 140kg allowed on spanned sections of roof only. (Live loads not permitted on overhangs)
- These span tables are based on specific deflection limits calculated from serviceability loads for each wind class. (Deflection limits may be exceeded during extreme weather conditions when serviceability wind speeds are higher than usual.