

# solarspan<sup>®</sup>

by BONDOR

True Beauty



**Colorbond<sup>®</sup>**  
THE COLOURS OF AUSTRALIA SINCE 1966

**BONDOR<sup>®</sup>**  
Leaders in Thermal & Architectural Building Solutions

Patios with Comfort and Style





## Affordable, Simple and Attractive

'The Original' Insulated Patio Roof, SolarSpan® is an ingenious combination of roofing, insulation and ceiling in one durable, functional and attractive panel. This all-in-one roofing solution has exciting design possibilities and countless benefits for your outdoor living area. SolarSpan® will improve your lifestyle and add value to your home with the least amount of effort.

## The SolarSpan® Advantage



Blocks Heat



Extend & Add Value  
to your home



Deadens Noise



Low Maintenance



Serviceable



Long spans create a  
clean & flush ceiling finish



Strong & Durable  
COLORBOND® Steel



20 Year Manufacturer's  
Warranty on Patios & Pergolas



Versatile Design  
Options



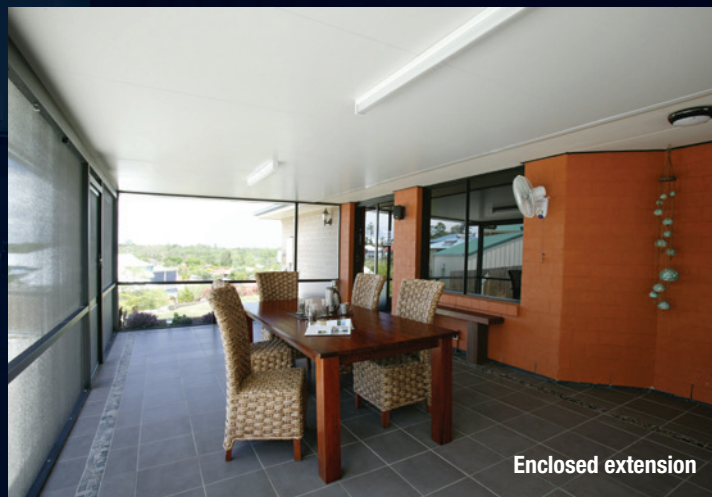
Comfortable Day or Night,  
all year round



# Smart ideas to beautifully complement your home



No area too small



Enclosed extension



Carports



Outdoor dining

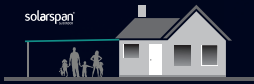


# Roof Styles

Two Storey



Attached Skillion



Fly Over



Freestanding



Carport



## Free Standing

A free standing patio design offers an oasis away from the home positioned in front of a pool or a cosy spot in the yard perfect for weekend gatherings, family events or regular outdoor dining. Your SolarSpan® patio designer and installer can offer a gable or skillion roof design for a free standing patio with a variety of exciting beam and post options to complement your home.



## Fly Over

A SolarSpan® fly over roof creates an impressive open living area with high ceilings for additional head room, air flow, day light and unrestricted views. Create architecturally pleasing roof lines to enhance your home and breathe new life into an existing deck or patio with new found space and added comfort all year round.



## Gable

Create a grand opening to your outdoor living area with a SolarSpan® gable roof whilst giving your patio additional height and ventilation of hot air. A variety of gable infill and beam options are available from your SolarSpan® patio designer and installer to deliver an exciting patio design.



## Attached Skillion

For a quick, simple and cost effective addition to any home SolarSpan's attached skillion roof will extend your living area, provide a multi-use carport, boat port or general cover area which will protect you and your most valuable possessions from the heat and cold. Your SolarSpan® designer and installer will be able to assist you design the perfect under cover area adding value to any outdoor area of your home.



# The ultimate in Patio & Pergola design options

A SolarSpan® outdoor shaded living area offers the ultimate freedom in design. Select from a wide choice of modern COLORBOND® steel colours for your SolarSpan® roof, unique ceiling profiles, designer roofing accessories in COLORBOND® and a selection of stylish posts and beams available in pre-painted steel, aluminium or stained timber.

SolarSpan® creates wide open spaces with a ceiling-like finish due to its long unsupported spans. This allows home owners to further customise their design with ceiling accessories such as downlights, fans and other lighting solutions.

SolarSpan® truly allows you to create functional and beautiful outdoor living areas that complement your home and improve your outdoor lifestyle.

**solarspan**®  
by BONDOR



Genuine COLORBOND® roofing accessories and gutters



Full range of lighting solutions



Designer structural beams to suit your application



Variety of post and column options



Fans and ceiling accessories easily added

## SolarSpan® approved UltraSlim 9W Downlight Kit

SolarSpan® offers a recessed downlight kit for use in insulated roofing, tested to conform to strict Australian Standards for compliance peace of mind. Custom designed for Bondor® roofing products, unique features include a slim profile light to maximise insulation, IP54 rating for outdoor and indoor use, flush fit surface cover with ultra bright LED technology and low heat emission. Our downlight kits are available in a choice of warm or cool light colour, two trim cover options and include up to 12m of easy connect extender cabling for simple installation.

Note, that off-the-shelf standard downlights may not conform to Australian Standards for use in insulated roofing and professional advice is recommended.

For more information, see the SolarSpan® UltraSlim 9W LED Downlight guide for inclusions and technical specifications, including a lighting layout guide.

Don't risk it.

Ask your installer to supply only SolarSpan® 9W UltraSlim downlights approved for use in Bondor® roofing products, including 50mm thick SolarSpan®, which are tested and conform to Australian Standards.



AS/NZS 60598



AS/NZS 4417



# SolarSpan's Cool or Cosy 3 Layered Roofing System

**solarspan**<sup>®</sup>  
by BONDOR

## Roofing Layer

- Superior low pitch of 2° minimum
- Available in thermally efficient and modern colours
- Australian made and proven COLORBOND<sup>®</sup> steel



**BAL40**

**Colorbond**<sup>®</sup>

## Ceiling Layer

- Ceiling underside available in COLORBOND<sup>®</sup> steel Surfemist<sup>®</sup> or Classic Cream<sup>™</sup>\*\*
- Two ceiling finish options in Plain or VJ\*
- Low maintenance and durable COLORBOND<sup>®</sup> steel

## Insulation Layer

- Outstanding thermal performance with CorePlus<sup>®</sup> EPS-FR Insulation
- Choose from 50mm (R1.20), 75 (R1.80), 100 (R2.40), 125 (R3.00), 150 (R3.60), 175 (R4.25), 200 (R4.85) core thicknesses. R-Value insulation is based on average temperature of 23°C. Contact us for other temperatures and different EPS-FR core grades.
- Service cabling ducts for ceiling lights and fans

## Roof Colour Range

SolarSpan's colour range has been rigorously tested and hand picked with the support of BlueScope<sup>®</sup> Steel to offer roofing colours with the best thermal performance, made tough for Australian conditions.



Surfmist<sup>®</sup>

Paperbark<sup>®</sup>

Classic Cream<sup>™</sup>

Pale Eucalypt<sup>®</sup>^

Manor Red<sup>®</sup>^^

Dune<sup>®</sup>

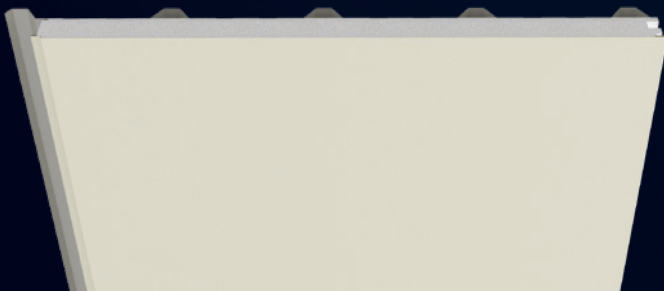
Shale Grey<sup>®</sup>

Basalt<sup>®</sup>^

Woodland Grey<sup>®</sup>^

## Ceiling Finishes

SolarSpan's ceiling layer is made from proven BlueScope COLORBOND<sup>®</sup> steel, available pre-finished in Surfemist<sup>®</sup> (Off White) or Classic Cream<sup>™</sup>. Select from two popular ceiling underside finishes in either Plain or VJ\* that complement the home and offer stylish design options for your outdoor area.



### Plain - Contemporary Look

'Plain' modern ceiling finish is a popular smooth ceiling surface option that embodies contemporary design, suitable for the modern home.



### VJ\* - Heritage Look

VJ delivers a ceiling look with distinct lines that emulates the look and feel of a heritage style home.

\* Conditions may apply.

\*\* Limited availability.

\*\*\* CodeMark Disclaimer: The technical information contained in this document cover a breadth of applications where SolarSpan<sup>®</sup> may be used, which may be outside the scope of our CodeMark certificate. Data specific can be found on CodeMark certification.

^Darker roof colours may be warranted for use in limited regions check [www.solarspan.com.au](http://www.solarspan.com.au) for details on SolarSpan<sup>®</sup> warranty.



# Why SolarSpan®?



Genuine Warranty

**20**  
YEARS

An industry leading 20 year manufacturer's Warranty for SolarSpan® home improvement patio projects.

Genuine Australian Steel

**Colorbond®**  
THE COLOURS OF AUSTRALIA SINCE 1966

SolarSpan® is manufactured using two layers of genuine COLORBOND® steel with ACTIVATE Technology, warranted for low pitch roofing (2°).

Advanced Core Technology

**CorePlus®**  
INSULATION

For over 25 years, SolarSpan® has been made using unique CorePlus® Insulation with DeterANT technology for improved performance.

Custom Designed Accessories



A full range of specially designed accessories, including lighting options, for use with SolarSpan® makes installation a breeze.

Trusted Suppliers

**BlueScope**

Manufactured using only BlueScope® Steel for our panel skins ensures quality Australian steel products and transparent and reliable warranties.

Australian Standards

✓  
**AS/NZ**  
NATA

Industry leading span lengths achieved by rigorous physical lab tests by NATA certified labs to Australian Standards.

Accredited Products

**CMI**  
**CODEMARK**  
Certificate CM4045

CodeMark™ provides confidence and certainty to regulatory authorities and the market requirements of the NCC.

Harsh Environment

**BAL40**

Conforms to a Bushfire Attack Level (BAL) rating of BAL40 for use as roofing with the use of BAL accessories and installation requirements.



# SolarSpan® Span Table - Domestic Patios Span Table (mm)



		Case A 3 Open Sides			Case B 2 Open Sides			Case C 1 Open Side			Case D Fully Enclosed			Case E Free Standing		
Wind Classification	Panel Thickness (mm)	Max. Single Span	Max. Multi-span	Max. Overhang	Max. Single Span	Max. Multi-span	Max. Overhang	Max. Single Span	Max. Multi-span	Max. Overhang	Max. Single Span	Max. Multi-span	Max. Overhang	Max. Single Span	Max. Multi-span	Max. Overhang
		b	b, c	a	b	b, c	a	b	b, c	a	b	b, c	a	b	b, c	a
N1	50	5600	4800	1400	5550	4800	1400	5000	4800	1250	5250	4500	1300	5600	4800	1400
	75	7100	5700	1800	6500	5700	1650	5850	5700	1450	6150	5400	1550	7100	5700	1800
	100	8000	6300	2000	7350	6600	1850	6650	6600	1650	6950	6300	1750	8000	6600	2000
	125	8750	7200	2200	8150	7200	2050	7350	7200	1850	7700	6900	1950	8700	7200	2200
	150	9500	7800	2400	8850	8100	2200	7950	8100	2000	8400	7500	2100	9500	8100	2400
200	10750	9000	2700	10150	9000	2550	9100	9000	2300	9600	8700	2400	10750	9000	2700	
N2	50	5600	4500	1400	4600	4500	1150	4150	4500	1050	4350	4200	1100	5600	4500	1400
	75	6850	5100	1700	5400	5400	1350	4900	5400	1250	5150	5100	1300	7100	5400	1800
	100	7700	6000	1950	6100	6000	1550	5550	6000	1400	5800	5700	1450	8000	6000	2000
	125	8300	6600	2100	6750	6900	1700	6100	6900	1550	6400	6300	1600	8700	6900	2200
	150	9100	7200	2300	7350	7500	1850	6650	7500	1650	6950	6900	1750	9500	7500	2400
200	10100	8100	2550	8400	8400	2100	7600	8400	1900	7950	7800	2000	10500	8400	2650	
N3	50	4850	3900	1200	3600	3900	900	3300	3300	850	3450	3600	850	5100	3900	1300
	75	5700	4500	1450	4250	4800	1050	3850	4800	950	4050	4200	1000	6000	4800	1500
	100	6400	5100	1600	4800	5400	1200	4350	5400	1100	4550	4800	1150	6750	5400	1700
	125	7050	5700	1750	5300	6000	1350	4800	6000	1200	5050	5400	1250	7400	6000	1850
	150	7650	6300	1900	5750	6600	1450	5200	6600	1300	5450	6000	1350	8000	6600	2000
200	8650	7200	2150	6550	7500	1650	5950	7500	1500	6250	6600	1550	9100	7500	2300	
N4	50	3900	3300	1000	2950	2700	750	2700	2100	700	2800	2400	700	4100	3300	1050
	75	4550	3900	1150	3450	3900	850	3150	3300	800	3300	3600	850	4800	4200	1200
	100	5150	4500	1300	3900	4800	1000	3550	4800	900	3700	4200	950	5450	4800	1350
	125	5700	4800	1450	4300	5100	1100	3900	4200	1000	4100	4500	1050	6000	5100	1500
	150	6200	5400	1550	4650	5700	1150	4250	5700	1050	4450	5100	1100	6500	5700	1650
200	7050	6000	1750	5300	6300	1350	4850	6300	1200	5050	5700	1250	7450	6300	1850	
C1	50	4900	3550	900	3600	3650	900	3300	3650	800	2600	3050	600	4900	3650	900
	75	5900	4200	1200	4600	4350	1100	3900	4350	900	3100	3800	700	5900	4350	1200
	100	6900	4750	1300	5000	4900	1200	4500	4900	1000	3700	4550	900	6900	4900	1300
	125	7700	5250	1400	5600	5450	1300	5100	5450	1100	4100	5050	1000	7700	5450	1400
	150	8800	5700	1400	6600	5900	1400	5900	5900	1400	6200	5500	1400	8800	5900	1400
200	10000	6550	1400	7500	6750	1400	6800	6750	1400	7100	6250	1400	10200	6750	1400	
C2	50	4000	2950	800	2900	2950	600	2700	2400	600	2000	2000	450	4000	3150	800
	75	4800	3700	1000	3500	3650	700	3100	3000	700	2000	2450	500	4800	3850	1000
	100	5600	4200	1100	4100	4400	800	3700	3850	800	2700	3150	600	5600	4400	1100
	125	6300	4650	1200	4600	4850	900	4200	4850	900	3000	4150	700	6300	4850	1200
	150	7100	5100	1400	5300	5300	1300	4800	5050	1200	5100	4150	1200	7100	5300	1400
200	8100	5800	1400	6100	6050	1300	5500	5650	1200	5800	4650	1200	8600	6050	1400	
C3	50	3300	2250	800	2400	1950	600	2000	1600	450	-	-	N/A	3300	2450	800
	75	4000	3250	1000	2500	2400	600	2100	2000	500	-	1650	N/A	4000	3400	1000
	100	4600	3700	1100	3300	3100	800	2800	2550	600	1900	2100	450	4600	3850	1100
	125	5200	4100	1200	3700	4050	900	3100	3350	700	2000	2750	500	5200	4250	1200
	150	5700	4450	1400	4300	4050	1000	3900	3350	900	4100	2750	1000	5700	4650	1400
200	6500	5100	1400	4900	4500	1000	4500	3700	900	4700	3050	1000	6900	5300	1400	

- Note:**
1. Applies to patios attached to highset and lowset houses only.
  2. The overhang must not exceed 25% of the immediate backspan.
  3. With a full-width panel measuring 1000mm, the maximum allowable side and corner overhang is 400mm.
  4. In the case of free-standing awnings, it is permissible to utilize 'Case A - 3 Open Sides', as long as it is not blocked under.
  5. A deflection limit of Span/150 has been allowed for.
  6. Dead loads of up to 15kg/m<sup>2</sup> are permissible.
  7. A concentrated load of 1.1kN for incidental and maintenance has been allowed for each span. It is important to avoid stepping on the ribs. Live loads are not permitted on overhangs.
  8. When using SolarSpan® Naturelite® skylight with a minimum of 2 full SolarSpan® panels in between, the maximum allowable spans must be reduced by 10%.
  9. When using SolarSpan® Naturelite® skylight with a minimum of 1 full SolarSpan® panels in between, the maximum allowable spans must be reduced by 25%.
  10. SolarSpan® Naturelite® skylight should not be walked on or used for foot traffic.
  11. SolarSpan® Naturelite® skylight can only be used on patios in Non-Cyclonic regions, it must not be used in Cyclonic areas.

## Experience

Bondor® has over 65 years of experience in the insulated panel industry and are one of the largest innovators of insulated products in the world.

Bondor® introduced insulated roofing to the Australian market 30 years ago offering an innovative insulated roofing product during 'Expo 88'. Bondor® has continued to lead innovation and now produces SolarSpan® across Australia with the latest in computerised laminating, roll-forming and cutting machinery.

## SolarSpan's 20 Year Written Warranty

Bondor® have been producing insulated panel for over 65 years and have such confidence in their product that they offer a 20 year written manufacturer's warranty on SolarSpan® for patio & pergola home improvement applications.



SolarSpan® is readily available, with Bondor® manufacturing and distribution facilities across Australia.

## Quality

Bondor® stands by SolarSpan® as the best quality insulated roof on the market and refuse to compromise on quality or your investment.

Manufactured with dual layers of Australian made next generation COLORBOND® steel with leading paint technology and activate corrosion protection, SolarSpan® prides itself on manufacturing nationally using Australian made and compliant materials.

SolarSpan® is designed and rigorously tested in certified labs to meet the Australian Standards and withstand our harsh climate, UV exposure and cyclonic wind conditions.

## Confidence

Bondor's experience and quality assurance gives customers the confidence that they can enjoy their insulated roof for many years without concern.



www.solarspan.com.au  
1800 763 707

\*SolarSpan® Standard Warranty and BlueScope Steel conditions apply. Metecno Pty Limited. ABN 44 096 402 934. The manufacturer reserves the right to change the specification without notice. Bondor® and SolarSpan® are trademarks of Metecno Pty Limited. BlueScope, COLORBOND®, Inframax™ and colour names are trademarks of BlueScope Steel Limited. The colours shown in this publication have been reproduced to represent actual product colours as accurately as possible. However, given printing limitations, we recommend checking your chosen colour against an actual sample before placing orders. This advice is of a general nature only. Designers must provide for adequate structural performance and other Building Code requirements. This information is subject to change. Refer to Bondor® website for latest version. Consult Bondor® for your application. Check with NCC for permissible solar absorbance before selection the exterior roof colour. ^Darker colours may be warranted for use in limited regions refer to www.solarspan.com.au as this information is subject to change. BON0056 SolarSpan Patio Brochure v37 - 04/12/2023.