

Quicker.



Leaner.



Smarter.



Greener.



insulliving<sup>®</sup>  
by BONDOR

Quicker. Leaner. Smarter. Greener.

"Australian builders and home owners  
deserve a building system that is simple,  
quick and affordable."



PRODUCT INFORMATION GUIDE









New Homes  
Studios  
Renovations  
Granny Flats  
Multi-storey  
Multi-residential

## Freedom in design

Single & Double Storey Homes  
Home Extensions & Renovations  
Granny Flats & Garden Studios  
Multi-residential

# The InsulLiving® System

**solarspan**  
by BONDOR

Service ducts for electrical cabling.

Lightweight high performing insulated core.

SolarSpan offers two ceiling profiles: Plain or 'VJ' look

Service ducts for electrical cabling.

COLORBOND® pre-finished painted roof and ceiling.

Capable of long spans and low pitches of 3°.

Deep pans optimized for high water carrying capacity.

Simple installation with interconnecting slipjoint and fix.



**insulwall**  
by BONDOR

Lightweight high performing insulated core.

Exclusively developed BlueScope Steel skins for direct application of render and paint.

Rebated edge for plastering joints.

Slipjoint system for easily interconnecting panels.



Services ducts for plumbing, electrical and data.

## Quicker. Leaner. Smarter. Greener.



## The InsulLiving® difference

Bondor's InsulLiving® System combines not only lightweight and strong insulated roofing & walling, residential specific floor & roof channels as well as bracing options. This offers builders and designers a fully engineered, NCC compliant building system purpose designed for use in Australia, that is acceptable even in cyclonic regions.

- Bondor® has developed the InsulLiving® system to address the changing times and needs.
- InsulLiving® offers advantages to Designers, Developers, Builders, Home Owners and Communities.
- InsulLiving® houses are as beautiful as any well constructed modern house in the street.
- InsulLiving® homes offer a more comfortable living environment in all climatic conditions.

"A fully engineered, NCC and CodeMark™ compliant Building System that is lightweight, straight forward and green."

## SolarSpan®

SolarSpan® by Bondor® combines roofing, insulation and ceiling in one durable, functional and attractive panel. It is up to 50% faster to install than conventional roofing including trusses and insulation. Large spans are achievable, reducing the need for support structures and enabling spacious living areas.

It offers an attractive smooth ceiling without the need for plastering or painting and superior thermal performance when compared to a traditional roofing system and maintains its insulating integrity for the life of the home.

## InsulWall®

InsulWall® by Bondor® is a complete walling system combining insulation between two steel skins to form a structural and load bearing panel. InsulWall® panels lock easily together, and when coupled with SolarSpan® roofing, they form a fully insulated, structural shell. InsulWall® is produced using innovative steel, exclusively made by BlueScope Steel, which allows the direct rendering on the outside, and painting on the inside, without costly and time consuming additional layers.

## Quality Assurance Partnerships



**Colorbond®**  
Made for Australia



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

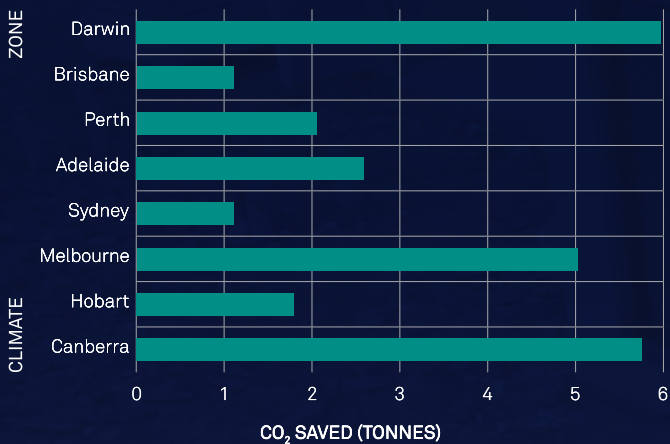






## Reduce Energy Bills by Up To 50%

InsulLiving's 8-Star Carbon Emissions Saving (Tonnes / Year)



Note: Additional Carbon Savings achieved from InsulLiving's 8-star rating over 6-star.

- All new homes in Australia must have a minimum 6-star energy rating, most homes built before energy ratings were introduced in 2003 are 2 stars or less.
- The InsulLiving® system combined with sympathetic design allows us to go beyond the minimum 6-star rating and achieve 8-star and more.
- A modern energy efficient home that is well insulated can reduce your energy bills and add to the overall value of your home.



## The InsulLiving® System

"Achieves More. With Less."

Single Storey Traditional build – 8 steps		Single Storey InsulLiving® build – 4 steps	
1	Steel / timber wall framing	1	Base channel, InsulWall®, top roof Channel
2	Roof trusses (steel or timber) truss roof	2	Services – electrical/ plumbing
3	Services – electrician / plumber		
4	Roof – tiles, metal sheeting	3	Lay roof, insulation, ceiling in one step with SolarSpan® roof panels
5	Battens, ceiling, insulation		
6	Brick / clad external	4	Render exterior, finish interior as normal
7	Sheet interior with plasterboard		
8	Render exterior & finish interior		





## The Home Owner

"Freedom and efficiency for a modern lifestyle."

The needs of the Australian home owners are also changing.

When it comes to designing and building their home, whilst they maintain the desire to achieve optimum aesthetics and quality, home owners are much more aware of the environmental impacts. With the cost of living on the rise, they are also increasingly conscious of the short and long term economy of the products they choose, which includes maintenance and running costs. The InsulLiving® system addresses all the needs of today's environmentally conscious home owner, providing freedom of design, reduced cost and build time and savings in energy for the life of the home.

Building with insulated panels is the future for residential accommodation in Australia. The Bondor InsulLiving® system comes fully engineered and tested and the benefits are clear throughout the entire building supply chain. House construction as we know it is about to change and the InsulLiving® system is at the forefront of this revolution. The system is Quicker, Leaner, Smarter and Greener.

### The benefits to the home owner:

- Freedom and flexibility in designing their home.
- Quicker build time in comparison to traditional builds means earlier occupancy.
- Thermal efficiency resulting in significant ongoing energy savings.
- Acoustic benefits of the insulated panels dampening outside noise and further enhancing their experience.
- Peace of mind that the life of their long term investment will not be shortened due to structural damage caused by termite infestation.
- Ease of maintenance and the simplicity of future additions (due to the modularity of the system), helps in preserving the overall aesthetics and integrity of the home for years.
- High ceilings provided by the SolarSpan® insulated roofing system results in a greater sense of open space.
- More liveable home with better re-sale value.

## The Builder

"Game changing system that benefits builders."

The most dramatic benefits of the InsulLiving® system are achieved by the builder. With this system, the entire house shell is erected without any framing, brickwork or plasterboard.

The panels do the work of all these components, and they can be erected by non trade labour. The finished house will look as good as any other traditionally built home in the street but it is constructed in a fraction of the time and with significantly less material.

The astute builder will be able to satisfy the growing market for sustainable residential building and save money as he constructs homes to meet our climatic conditions, and needs of the future.

It is time for a change to how Australian homes are built, and the InsulLiving® system offers the opportunity for the progressive builder to meet these changing requirements with an efficient and effective system that still meets the aesthetic standards of the community. An InsulLiving® home is a beautiful home, costing far less to build, in much less time, and with ongoing savings to the home owner and resident.

Simply it is Quicker, Leaner, Smarter, Greener – Everyone wins.

### The InsulLiving® Builder benefits:

- Quicker build time – reaches 'lock up' stage faster than traditional build methods.
- Quicker build times lead to improved cash flow and the ability to meet housing demands more quickly.
- The InsulLiving® system comprises a very limited number of components with the panel acting as a structural member, insulation, internal and external cladding.
- Fewer trades to be coordinated, means a simplified building process.
- Less building materials compared to the traditional approach.
- The opportunity to differentiate and build a home that meets Australia's future housing needs.
- Access to Bondor's fully engineered and CodeMark accredited building system assists with council approval and the certification process.
- Snap together design makes training labourers a breeze.
- InsulLiving® lightweight flatpacks offer better access to difficult sites and improved delivery times to regional areas.



# InsulLiving® has the answers.

## Quicker

- Faster build times – quicker than traditional building methods.
- Home owner can move in sooner.
- Better cash flow – builder receives payment sooner.
- Increase house builds per builder per year.
- Quick supply from local manufacturing facilities in all states.
- Turn unskilled labour into capable installers within weeks.

## Leaner

- Lower construction costs – reduce walling & roofing costs.
- Less components and materials than traditional homes.
- Reduced reliance on trades.
- Shorter supply chain.
- Fewer deliveries and decreased logistical issues.
- Ongoing energy savings over the life of the house.

## Smarter

- Smart InsulWall® walling system – replacing frames, brick, plasterboard and insulation.
- Smart SolarSpan® roofing system – replacing trusses, roof sheets, ceiling and insulation.
- Suitable for one and two storey designed homes.
- Panels interlock easily to form a complete thermally efficient shell.
- Fully engineered and CodeMark™ accredited for compliance with the Building Code of Australia.
- Simplified and improved building process.
- Product development from credible Australian companies Bondor, BlueScope Steel and Dulux Acratex.

## Greener

- Significantly exceeds required Energy Ratings of 6 stars.
- Reduced environmental impact in manufacture, delivery, build and residency.
- Achieve Zero & Positive Energy housing communities.
- Fully reusable, recyclable and non-toxic building materials.

insulwall® solarspan®

# insuliving®

Quicker. Leaner. Smarter. Greener.

[www.insuliving.com.au](http://www.insuliving.com.au)

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