



YAPIPANSIP

[www.yapipansip.com](http://www.yapipansip.com)

QUICKER. LEANER. SMARTER. GREENER.



PRODUCT INFORMATION GUIDE





## YapıPAN has the answers to building problems.

### Quicker

- Faster build times – up to 80% quicker than traditional building methods.
- Lock up in 10 days; once slab is ready.
- Better cash flow – builder receives payment sooner.
- Increase house builds per builder per year.
- Quick supply.
- Turn unskilled labour into capable installers within days.

### Leaner

- Lower material costs.
- Less components and materials than traditional homes.
- Reduced reliance on trades.
- Shorter supply chain.
- Ongoing energy savings over the life of the house.

### Smarter

- Smart YapıPAN walling system – replacing frames, brick, plasterboard and insulation.
- Smart YapıPAN roofing system – replacing trusses, roof sheets, ceiling and insulation.
- Panels interlock easily to form a complete thermally efficient shell.
- Fully engineered.
- Simplified and improved building process.

### Greener

- Significantly exceeds required Energy Ratings.
- Reduced environmental impact in manufacture, delivery, build and residency.
- Achieve zero & positive energy housing communities.
- Fully reusable, recyclable and non-toxic building materials.



## YapıPAN offers alternative.

“Achieves more but with less.”



YapıPAN's shell provides a flat surface, painted or ready for rendering externally and painting or tiling internally, showcasing YapıPAN's potential for a perfectly flush finish.

YapıPAN insulated roofing offers designers and builders long spanning wide open spaces, pre-finished with an attractive pre-painted ceiling.

YapıPAN's form a complete thermal shell to protect the home from cold or hot weather and offer a new level of sustainable and energy efficient housing.



## YapıPAN's perfect finish.

“Achieve a quality modern finish with speed and affordability.”



- Internal Snap-Lock fastening feature.
- Snaps together in header.
- No rocking of panels required.
- Metal is chemically bonded to foam.
- Continuous Insulation.
- Quick and easy to install.
- Eliminates condensation problems.



## FOR THE DESIGNERS

“Designed for today, while considering tomorrow’s needs.”

Conventional homes have essentially been designed and built the same way for many years. The need to protect our environment and to conserve energy has become the catalyst for a revolutionary change. YapıPAN is the next step towards zero energy housing, offering a designer friendly system that is Quicker, Leaner, Smarter and Greener.

The YapıPAN system offers residential designers and architects the chance to be more energy and environmentally conscious without the extra effort. Its flat steel panel shell enables ease of rendering externally and painting internally, resulting in a house that looks like any other well finished modern house in the street.

The secrets of YapıPAN panel design and associated cost savings through construction and beyond, are hidden from view but are enjoyed by the home owner and resident for the life of the home.

### Some of the benefits to the designer include:

- The freedom to design homes without limitations, and the opportunity to create significant construction cost savings by using the modular benefits of panel.
- The ability to design homes that are much quicker to build yet more suitable to climatic conditions and life styles.
- Promoting a more energy conscious and environmentally friendly community.
- Modern roof lines with long spans and open spaces that allow for dramatic design statements.
- A fully insulated building shell using a single product.
- A proven product that meets the building standards and exceeds the required star ratings.



## FOR THE DEVELOPERS

“A new dawn, a new beginning, greater opportunities.”

Developers are continually under pressure from the introduction of more stringent Government regulations and the ever changing market trends, to develop sustainable energy efficient communities that fulfill the needs of today's conscientious home owners. The YapıPAN system was developed with a vision for our sustainable future and offers significant scope for developers to build a living community that will change with the needs of its members.

Forward thinking developers are looking for a means to satisfy growing demand for sustainable living and to get ahead of the curve of developing market demand. YapıPAN provides a break through vehicle for developers.

It is simply Quicker, Leaner, Smarter and Greener.

### Some of the benefits to the developer include:

- YapıPAN's capability to build large scale sustainable communities.
- Massive reductions in building materials resulting in fewer transport journeys and a reduced carbon footprint during construction.
- Improved insulation and energy efficiency resulting in a lower environmental impact over the life of the dwelling.
- A simpler construction process leading to more responsible use of scarce skilled resources.
- Modern flexible design options for home differentiation.
- The modular nature of an InsulLiving® home provides the opportunity for tailoring it to fit with the life journey of the community members i.e. starting simply when finances are tight and growing with a family through the addition of new modules. Finally modularity means that downsizing, deconstruction and recycling are easily catered for.



## FOR THE BUILDERS

“Game changing system that benefits for the builders.”

The most dramatic benefits of the YapıPAN system are achieved by the Builder. In this case, 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 house 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 homes are built, and the YapıPAN 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.

YapıPAN 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 YapıPAN Builder will enjoy the following benefits:

- Quicker build time – 80% faster than traditional, with ‘lock up’ for the average single storey home to be easily achieved within 10 days from the slab being ready.
- Quicker build leads to improved cash flow and the ability to meet the housing demands more quickly.
- The YapıPAN 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.
- Significant savings in material, up to 50% less material in the roof and wall compared to the traditional approach.
- The opportunity to differentiate and build a home that meets future housing needs.
- Access to YapıPAN fully engineered system assisting the council approval and certification process.
- Snap together design makes training labourers a breeze.

### YapıPAN System “Achieves more but with less.”

Single Story Traditional Build - 8 Steps		Single Story YapıPAN Build - 4 Steps	
1	Concrete/Steel/Timber wall framing	1	Base channel, YapıPAN top roof Channel
2	Roof trusses (steel or timber) truss roof		
3	Services – electrician / plumber	2	Services – electrical/plumbing
4	Roof – tiles, metal sheeting		
5	Battens, ceiling, insulation	3	Lay roof, insulation, ceiling in one step with YapıPAN Panel
6	Brick / clad external		
7	Sheet interior with plaster/plasterboard	4	Painted exterior, painted interior or finish exterior and interior as normal
8	Render exterior & finish interior		



## FOR THE HOME OWNERS

“Freedom and efficiency for a modern lifestyle.”

The needs of the 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, they 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, this includes maintenance and running costs. The YapıPAN 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. The YapıPAN 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 YapıPAN system is at the forefront of this revolution.

The system is Quicker, Leaner, Smarter and Greener.

### The benefits to the home owner:

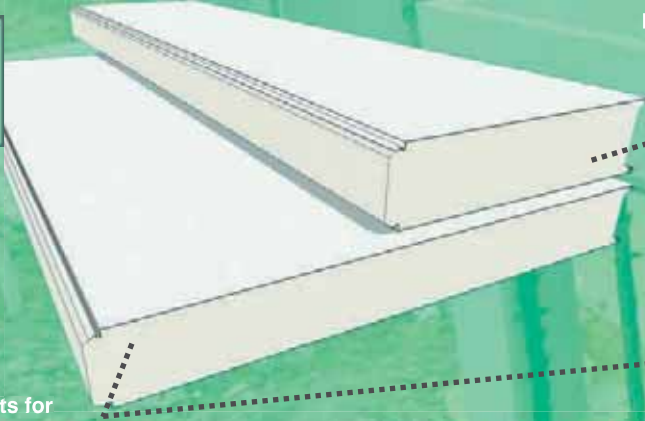
- Freedom and flexibility in designing their home.
- Quicker build time in comparison to traditional builds means earlier occupancy.
- Thermal efficiency resulting in significant ongoing energy savings.
- Acoustic benefits of the insulated panels dampening outside noise and further enhancing their experience.
- 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 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.



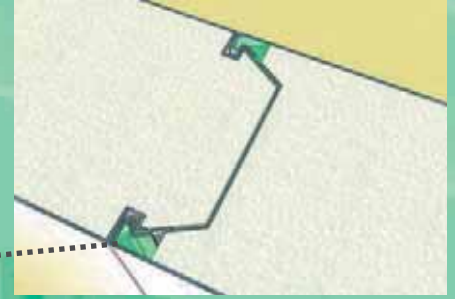




Lightweight high performing EPS insulated core



Services ducts for electrical and data.



Snap-lock system for easily interconnecting panels.

1. DAY



2. DAY



3. DAY



4-5. DAY



6. DAY

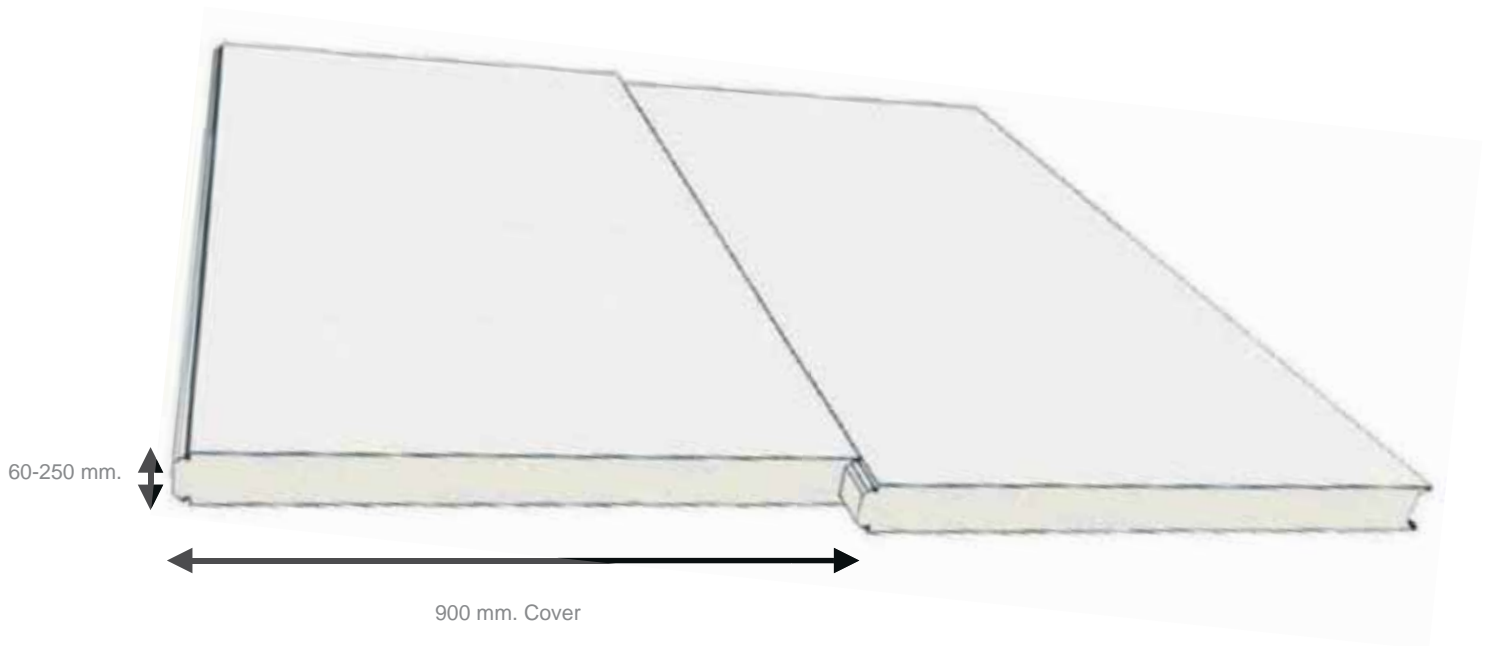


7. DAY





# YapıPAN SPECIFICATION



## Panel Specifications

WIDTH	THICKNESS	STEEL THICKNESS	CORE MATERIAL
900 mm.	60-250 mm.	0.50 mm.	EPS (Others are available)

## Technical Data

PANEL THICKNESS	90 mm.	140 mm.
MASS (kg./m <sup>2</sup> )	11,8	12,5
U Value (W/m <sup>2</sup> K)	0,43	0,27
R Value (m <sup>2</sup> K/W)	2,35	3,69

## Early Fire Hazard Properties

Ignitability	0
Spread of Flame	0
Heat Evolved	0
Smoke	2 - 3

## Wind Loading (Non-Cyclonic)

WIND CLASS	140 mm. THICK EXTERNAL WALL / SPAN (M)
N2	5,4
N3	4,2
N4	3,6

# YAPIPAN EDGE

“It's time for a change in the way houses are built in the world.”



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