

Innovation in the making.



## The intelligent solution for Australian Homes.

In a new era where old methods are being questioned for their ability to address the changing needs of the environment, more open-minded thinking on housing construction is emerging. More homeowners and builders are investigating construction techniques and technologies which have proved successful in other parts of the world.

The advantages that framed construction provides in terms of cost, flexibility, thermal insulation, transport, wall cracking and carbon footprint are well understood in many northern hemisphere countries where it has been the favoured construction method for decades. Now many of our more astute home-builders are looking towards framed construction as an innovative solution for our unique and fragile climatic environment in Australia.



### Framed construction today

The single most desirable benefit framed construction offers is flexibility.

The concept of two hard surfaces sandwiching a cavity by way of a load-bearing frame offers unlimited scope for the incorporation of new-age materials and technologies.

Newly developed organic, mineral, metal and synthetic surfaces, frames and insulation can be 'mixed and matched' to produce innovative wall systems that can out-perform traditional masonry in virtually all criteria.

This flexibility is also ideal to accommodate unique climatic and regulatory requirements such as those required for buildings in cyclone regions. Today, there is a framed construction wall-system solution for every requirement, regardless of how problematic the specification, whether climatic, environmental, regulatory, site specific or locational.

**ThermaWallPlus®** offers the opportunity to create wall system components to meet the standards required.



## The architectural advantage

It is not only the outstanding cost, handling, installation and insulation performance benefits of **ThermaWallPlus®** that architects and designers find attractive. It is the system's ability to accommodate complex architectural design while providing a high standard of finish that provides great appeal to those who desire more design flexibility.

The visually true panels also offer the perfect base for a wide range of contemporary surface treatments and colours ranging from paint to lightweight feature claddings to enhance the architectural design.

## The benefits of ThermaWallPlus®

**ThermaWallPlus®** panels in conjunction with purpose-specified structural, insulation and surface layers, provide advantages over traditional construction in:

- Low purchase cost
- Short construction time
- High thermal insulation
- High sustainability attributes
- Resistant to insect infestation
- Low installation costs (easier to install, fewer individual trades)
- Low transport costs
- Small carbon footprint
- Resistance to wall cracking
- Straight and true surfaces
- Fire resistant

## Benchmark Carbon Footprint performance

Sympathetic to RMAX's endeavour to achieve market-leading sustainability levels, the **ThermaWallPlus®** system delivers the finished building at a fraction of the carbon footprint produced by double-brick construction. This is due mainly to the absence of fossil fuelled kilns, recyclability, use of regrowth timber, and minimisation of wastage and transport costs in the material manufacture and construction process.

**ThermaWallPlus®** also achieves the crucial five star energy-rating requirements for insulation performance that contribute to sustainable building practices.

The effective application of **ThermaWallPlus®** panels can cut carbon dioxide emissions by up to 50%. The energy used in its manufacture is offset within 6 months with the energy saved by the insulation quality of the panels.

**ThermaWallPlus®** and the process used to manufacture it are free of ozone depleting substances (CFCs, HCFCs or HFCs). The panels are recyclable and the manufacturing process is waste free as all offcuts can be re-used. Reject base board can be recycled.



## The ThermaWallPlus® System

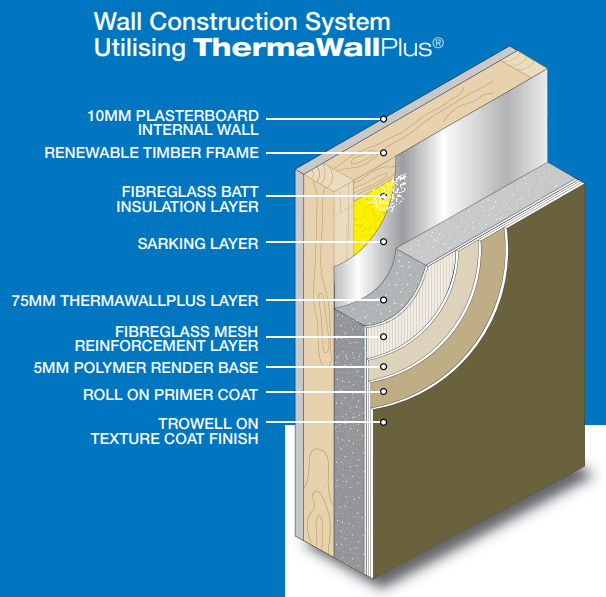
**ThermaWallPlus®** is a new generation external panel technology that combines exterior cladding with insulation, enabling outstanding levels of durability and finish quality.

It was developed by RMAX in the last decade after completion of a rigorous programme of research and investigation of similar systems that have proven successful in the northern hemisphere countries and New Zealand. The benefits of **ThermaWallPlus®** were quickly realised by builders on the east coast, firstly in Queensland where it is utilised in many executive quality homes. The product is now growing in popularity rapidly in all eastern states.

**ThermaWallPlus®** can be used in conjunction with regrowth plantation timber framing, additional fibreglass insulation and gypsum internal surfaces to create benchmark performance in terms of thermal, sustainability and wind-load ratings.

The resultant external walls have the appearance and texture of rendered brick and can accommodate the same surface treatments as cement rendering, including paint and lightweight claddings.

**ThermaWallPlus®** panels have been subjected to extensive testing for compliance with the relevant Australian standards, codes and construction practices.



### 10 year warranty

RMAX warrants that **ThermaWallPlus®** products are free from defect caused by faulty manufacture or faulty materials for a period of 10 years from the date of sale to the purchaser.

## Developed by RMAX

**ThermaWallPlus®** is manufactured by RMAX, which is a division of Huntsman Chemical Company Australia Pty Ltd. RMAX is an Australian company based in Melbourne with offices and agencies in most markets throughout Australia and New Zealand. The company is a pioneer of Rigid Cellular Plastics technologies and has been instrumental in the development of a wide range of innovative products for industrial, insulation, domestic and construction purposes.

The company is committed to working with the building industry and customers to deliver creative, contemporary, high performance solutions for modern problems and the rapidly changing regulatory environment.

RMAX - a division of Huntsman Chemical Company Australia Pty. Limited. ABN 48 004 146 338.

### HEAD OFFICE

#### Victoria

2-4 Mephan Street Maribyrnong VIC 3032

Postal address:

Locked Bag 51 West Footscray VIC 3012

T: +61 3 9318 4422 F: +61 3 9317 7888

E: [admin@rmax.com.au](mailto:admin@rmax.com.au)

### STATE OFFICES

#### Western Australia

5 Baldwin Street Kewdale WA 6105

T: +61 8 9353 1000 F: +61 8 9353 2002

#### South Australia

Peachey Road, Elizabeth West SA 5113

T: +61 8 8255 8022 F: +61 8 8255 7939

#### Tasmania

22 Merino Street, Kings Meadows TAS 7249

T: +61 3 6344 5644 F: +61 3 6344 2913

#### New South Wales

27 Chifley Street, Smithfield NSW 2164

T: +61 2 9609 6088 F: +61 2 9604 7747

#### Queensland

236 Musgrave Road, Coopers Plains QLD 4108

T: +61 7 3277 4522 F: +61 7 3277 7761

### NEW ZEALAND

#### Barnes Plastics

368 Church Street, Penrose Auckland 1061

T: +64 9 579 9725 F: +64 9 579 0472



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

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