

# ThermaWallPlus™

**RMAX**  
Innovation working for you

EXTERNAL INSULATED CLADDING



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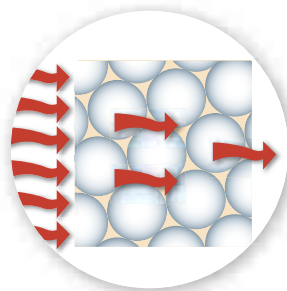
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EXTERNAL INSULATED CLADDING





**ThermaWallPlus™** is a new generation external panel technology that combines exterior cladding with insulation, enabling projects to achieve the crucial five star energy rating requirement for insulation, contributing to sustainable building practices. The ThermaWallPlus™ insulation core of high quality polystyrene is reinforced for strength and durability, producing a lightweight, easy to use panel, able to withstand everyday backyard knocks. ThermaWallPlus™ products are suitable for traditional building applications as well as opening opportunities for new designs and building techniques. The durable textured surface needs no preparation and is ready to accept basecoat renders to achieve a variety of finishes. The product is suitable for both straight and curved wall applications. The insulation core has been reinforced to provide flexibility combined with strength and durability.



#### **How ThermaWallPlus™ Insulates**

Trapped air dramatically reduces the flow of heat through the ThermaWallPlus™. Temperatures are more easily controlled as heat does not readily escape or enter through ThermaWallPlus™.





### Easy to Use

The ThermaWallPlus™ large, standard 2500 x1200mm lightweight panels quickly and easily cover external walls. ThermaWallPlus™ insulates and clads in the one operation, leaving wall cavities free to enable easy installation of services.

### Lightweight

ThermaWallPlus™ is lightweight but strong. The large panels can be easily handled by one person and are ideally suited to applications where weight is a concern such as second floor installations.

### Termite Resistant

ThermaWallPlus™ uses patented termite resistant Perform Guard® expanded polystyrene. Perform Guard® has been thoroughly tested in the USA and is safe, non corrosive and non toxic.

### Strong

The insulating core is reinforced with the patented ThermaWallPlus™ fiberglass enhanced surface coating technology, providing strength and impact resistance against everyday backyard knocks.





**Lasting**



**Insulation**



**Tough**



### ThermaWallPlus attributes

Exterior use/Interior use	Yes
Cost effective insulation	Yes
Installation costs	Low cost due to speed of installation
Extra labour for insulation or sisalation	None - built into the product
Render finish to customers needs	Yes
Labour required to install	Can be done with 1 person
Time to install	Quick
Joint cracking	No
Standard size	2500mm X 1200mm
Speciality sizes made to order	Possible
Curved applications	Yes
Ease of installation	Yes
Moisture and rot resistant	Yes
Unaffected by extreme temperature changes	Yes
Wind loading to Cat C	Yes
Thermal rating of finished wall with 75mm ThermaWallPlus	R=2.45

Thickness (mm)	40	60	75	100
R-Value at 23°C (m2.k/W)	1.5	2.00	2.45	3.10
Mass (kg/m2)	2.0	2.5	2.8	3.2

RMAX pursues a policy of continuous improvement in the design and performance of its products. The right is therefore reserved to vary specifications without notice.

Perform Guard® EPS has been tested against termites. Perform Guard® is protected under U.S.A. Patents No. 5,194,323 and No. 5,270,108 Copyright © AFM Corporation 2001. All rights reserved 2/01 R-Control, Perform Guard® and Do-All-Ply are registered trademarks of AFM Corporation, Excelsior MN Perform Guard® Copyright © AFM Corporation USA. R-Control & Perform Guard® are registered trademarks of AFM Corporation USA.



RMAX Environmental EPS

## RMAX and the Environment

EPS (Expanded Polystyrene) is highly energy efficient. The energy saved over the lifetime of an EPS insulation panel in reduced heating demand, more than compensates for the raw material used in its production.

The effective application of EPS insulation can cut carbon dioxide emissions by up to 50%. The energy used in its manufacture is recovered within six months by the energy saved in the buildings when EPS is used to insulate the building.

RMAX EPS products do not contain ozone depleting substances and none is used in its manufacture.

RMAX promotes the use of EPS, with its superior thermal insulation properties, for the construction of buildings to lower energy requirements and reduce the impact of new buildings on the environment.

RMAX EPS is free from ozone depleting substances in manufacture and composition. EPS is made without CFCs, HCFCs or HFCs. Manufacturing is done with blowing agents that have Zero Ozone Depleting Potential (ODP).

## Recycling EPS

EPS products are recyclable and RMAX has established recycling facilities in all of its plants throughout Australia.

RMAX is a member of PACIA (Plastics and Chemical Industries Association) and helped establish the EPS Industry Group, known as REPSA (Recycling Expanded Polystyrene Australia). RMAX, through REPSA play a major role in facilitating the collection and recycling of EPS in Australia.

## Energy Efficient Manufacture

The manufacture of EPS is a low pollution process. Steam is the key ingredient and the water is used many times. There is no waste in production as all off cuts or rejects are re-used.

## RMAX - Innovation Working for You

RMAX is a company driven by innovation. We have pioneered Rigid Cellular Plastics product technologies, leading the development of innovative product solutions for our customers and international partners.

In the Australian building industry, RMAX was the first to introduce termite resistant expanded polystyrene (EPS) – Isolite® Perform Guard® EPS. The exclusive patented technology incorporates a safe, non-toxic inorganic additive that is a deterrent to termites.

Identified by its grey colour, this material has been incorporated into ThermaWallPlus™ reinforced EPS exterior cladding to create a unique and valuable material for the building industry.

We are committed to working with our customers to deliver high quality creative solutions to construction problems. Contact us and see how our innovative approach using EPS in building construction can help you.



All Greenhouse Gas emissions associated with printing this product have been offset.

This product is 100% Carbon Neutral



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

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### Mixed Sources

Product group from well-managed forests and recycled wood or fiber  
[www.fsc.org](http://www.fsc.org) Cert no. SGS-COC-2586  
© 1996 Forest Stewardship Council

By buying products with an FSC Label, you are supporting the growth of responsible forest management worldwide

The pictures and illustrations shown in this brochure are for illustrative purposes only to demonstrate creativity and design and construction flexibility. They do not imply that ThermaWallPlus was used in their construction.



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