

# RMAX Geof foam<sup>®</sup> Polydeck<sup>™</sup>



**CIVIL** engineering



A division of Huntsman Chemical Company  
Australia Pty. Limited ABN 48 004 146 338

## RMAX Geofoam®

Since the first application of Geofoam in Sweden in 1972, this product has become the base for major bridge and road projects throughout the world.

RMAX first provided expanded polystyrene Geofoam for an Australian road project in 1992 – Lynch’s Bridge, Melbourne. The demonstrated benefits of the product have created increasing levels of interest and acceptance among leading contractors. RMAX Geofoam® supplies the solution to many of the problems concerning modern road builders.

For many years civil, soil and geotechnical engineers have utilised the unique physical properties of RMAX Geofoam® to devise simple, cost effective ways to stabilise construction sites and protect below ground structures from vertical and horizontal forces.

The low density and high strength-to-weight ratio of RMAX Geofoam® can relieve loads on unstable sites by up to 95% compared with fills of lightweight aggregate.

RMAX Geofoam® blocks are lightweight, as well as being easy and safe to handle. The combination of these qualities provides a much faster construction method than other alternatives such as lightweight aggregate. With RMAX Geofoam® smaller excavations are required and higher and steeper embankments can be erected.

RMAX Geofoam® is today’s best choice solution to efficiently and cost effectively stabilise construction projects.



### Major benefits include

- Faster construction schedules
- Ease of application
- Smaller, less costly excavations
- Capacity to erect higher, steeper embankments
- Protects of walls, foundations and abutments in unstable ground
- Reduced stresses on tunnels and buried pipes from loads that might crush them or cause unacceptable movement
- Light weighting
- Suitable for form work in construction

### Victoria

- **City Link Project**  
Southbank Interchange  
Power Street Bridge - North Abutment  
4,000 cubic metres  
Construction by Abigroup Contractors Pty Ltd
- **Western Link Freeway Project**  
On and off ramps  
7,000 cubic metres

### New South Wales

- **Eastern Distributor Project**  
Northern Art Gallery Overbridge  
Bridge voids for light weighting.  
Moore Park Site  
Formwork for guidewalls in tunnel construction.

### Queensland

- **Port Motorway Project**  
3000 cubic metres (stage 1)

## RMAX Polydeck™

### Major benefits

RMAX Polydeck™ is a floatation medium for a variety of docks, marinas and other floating structures. Polydeck™ is ideally suited for:

- Marinas
- Houseboats
- Floating walkways
- Piers

Polydeck™ is the ideal core material when selecting a cost effective, ease of manufacture floatation medium.



Polydeck™ a floatation medium for a variety of applications

Both RMAX Geofoam® and Polydeck™ are made from RMAX Isolite® Expanded Polystyrene. Isolite® Expanded Polystyrene is manufactured to AS 1366 Part 3 and tested at our NATA Laboratory.



## How RMAX is expanding your future



### EPS shape moulded products

These include Voidforms<sup>®</sup>, packaging for aquaculture, produce, white goods and other manufactured articles. Automotive and other engineered components, drop test approved packaging for the computer industry, and bicycle helmets are just a small cross-section of the shape moulding range.



### The manufacturing process of EPS

Expandable polystyrene (EPS) is supplied as plastic beads in which an expanding agent, usually pentane, has been dissolved. In the presence of steam the thermoplastic polystyrene softens and the increasing vapour pressure of the expanding agent causes the beads to expand up to 50 times their original volume. During this stage the degree of expansion is controlled to achieve the desired density.

### Isolite<sup>®</sup> block products

Manufactured primarily for the building industry and used in coolrooms, lightweight panels, voids, building facades, wall, roof and floor insulation. It is also used in architectural design projects, marinas, pipe insulation, road construction and many other customer specified requirements.

## Australia's Largest Rigid Cellular Plastics Manufacturer

### Recycling

RMAX EPS can be recycled. Recycled EPS can be granulated for use in e.g: construction applications or further processed to make a range of plastic products in everyday use. RMAX is a member of PACIA (Plastics and Chemicals Industries Association) playing a major role in the industry through the EPS Division and REPSA (Recycling Expanded Polystyrene Australia).

Expanded polystyrene does not contain any ozone depleting substances and none is used in its manufacture.

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.

Web: [www.rmax.com.au](http://www.rmax.com.au)

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