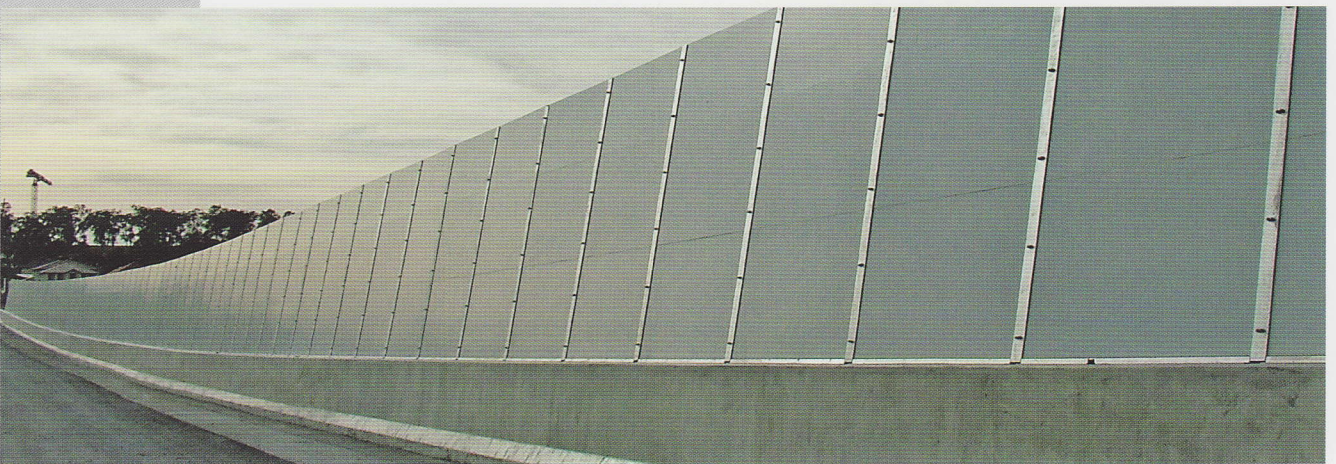


Tunnel Lining

Noise Walls



VITRAGROUP[®] has been pioneering market leading products to suit a wide variety of projects throughout Australasia.

We are inspired by a corporate vision to continually raise the benchmark through regular liaison with architects, designers and contractors, ongoing product development and technology breakthroughs like **VITRAFLON 700**[™].

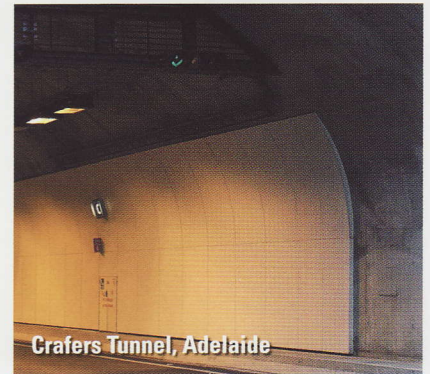
Our products are designed to match the specific requirements of Secondary Tunnel Lining, External Noise Walls and Bridge Claddings.

VITRAPANEL[®] is produced using high density Australian made fibre cement board by processing it and applying Vitragroup's proprietary coating system **VITRATHANE 644**[™] or **VITRAFLON 744**[™]. **VITRAPANEL**[®] is completely sealed and coated on one or both faces and all edges. Multiple thicknesses and sizes available to suit most applications.

Innovators in Tunnel Lining & Noise Walls



M5 East Motorway, Sydney



Crafers Tunnel, Adelaide

**Durable and
fire resistant**

**Cost-effective
and flexible**

Tunnels require fire and impact resistant linings, which offer long life and minimal maintenance.

VITRAPANEL[®] builds in those benefits and more:

- Chemical resistant
- Bacteria and mould resistant
- Non-corrodible.

VITRAPANEL[®] is a cost competitive, flexible and reliable tunnel lining. Vitragroup's production capacity is capable of meeting any project deadline.

- Fast to install and easily replaceable, reducing labour costs
- Variety of panel sizes and thicknesses for individual projects
- Flat or curved panels
- Short response time, no delays
- Easy to clean, low maintenance.

Noise Walls require extra long life and no maintenance.

VITRAPANEL PLATINUM[™] provides up to 40 years of warranty and self cleaning due to the special low surface tension coating.

Cover upper: Crafers Tunnel, Adelaide

Cover lower: M7 Motorway, Sydney

M7 photos courtesy of ABIGROUP – LEIGHTON JV

M5 East & Cross City Tunnel photos courtesy of Baulderstone Hornibrook

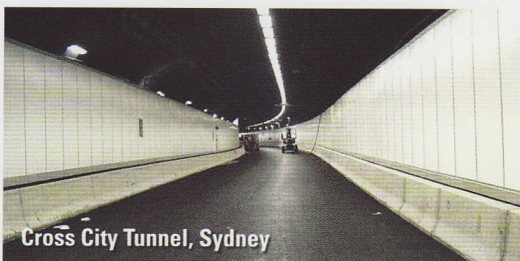
Meets international product standards



Proven reliability

Quality, unique finish

Service and product excellence



VITRAPANEL® and VITRAPANEL EC™ has been used successfully in tunnel and noise wall projects:

- **M5 East Freeway Tunnel, Sydney, NSW - 52,000 m²**
*Design & Construction: Baulderstone Hornibrook
Bilfinger + Berger M5 East Joint Venture*
- **Crafers Tunnel, Adelaide, SA - 10,000 m²**
Builder: McMahon Concrete Constructions Joint Venture
- **Brisbane City Bypass Tunnel, Brisbane, QLD - 5,000 m²**
Builder: Leighton Contractors
- **Cross City Tunnel, Sydney, NSW – 37,000 m²**
*Design & Construction: Baulderstone Hornibrook
Bilfinger + Berger Cross City Joint Venture*
- **Aberdeen Tunnel, Hong Kong, 30,000 m²**
- **Cross City Tunnel, Hangzhou, China, 12,000 m²**
- **Westlink M7 Noise Walls, Sydney, NSW – 45,000 m²**
Builder: ABIGROUP LEIGHTON Joint Venture.

Compressed Fibre Cement used is high density, high quality board which complies with:

- AS – Australian Standard
- BSI – British Standard Institution
- ISO – International Organisation for Standardisation.

While maximising strength, durability and design flexibility, VITRAPANEL® still maintains aesthetics.

- Low glare, driver friendly design
- Non-staining and abrasion resistant
- Maintains light reflectivity
- Graffiti resistant

VITRAGROUP® has the proven capability to work with their customers throughout the design and tender process, maximising the prospect of a successful outcome.

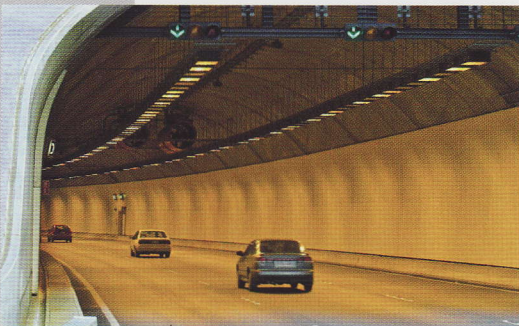
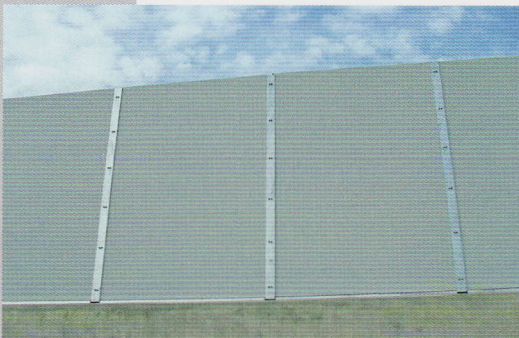
We guarantee first class service, strict control of quality and product excellence.

VITR PANEL®

World class tunnel lining & noise walls

Inspired with vision

Innovators in Tunnel Lining & Noise Walls



Fire resistant

Abrasion resistant

Impact resistant

Cost-effective

**Fast to install and
easily replaceable**

Flat or curved panels

**Short response time,
no delays**

**Variety of panel sizes
and thicknesses to suit
individual projects**

Weather / UV resistant

**Easy to clean,
low maintenance**

Unlimited colour range

Colour fade resistance

Ceramic-like coating

Graffiti resistant

Bacteria and mould resistant

Maintains light reflectivity

**Meets international
product standards**

Various fixing methods to
suit each project

Design solutions support.

For more information on please contact:

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