

Wallmark™

RESIDENTIAL
Acoustic Panel Fencing

COMMERCIAL
Noise Barriers



Welcome to Wallmark

Wallmark specialises in modular acoustic panel fencing and noise barrier solutions for residential, commercial and industrial applications. We produce a range of innovative, economical and stylish wall systems that are designed for Australian conditions, manufactured from quality materials, and fast to install.

Choose between our **Dunewall**, **Urbanwall** and aluminium **Evowall** product ranges, to satisfy your current requirements. Our sound reducing wall panels are finished with a weather resistant, hard wearing, smooth surface with no gaps. Spray, roll or brush the wall to your own pleasing colour and texture. Our posts and capping are pre-primed to allow total coating adherence and extra protection. The walls have been pre-engineered to suit a variety of wind regions including height, footing sizes and post spacings. Installation is easy - drill or dig a row of holes, concrete the posts in and assemble your wall with minimal site disruption to achieve a solid prestige result!

The quiet advantage...

Our wall panels are constructed from a very strong composite combination of Fibre Cement sheeting surrounding an Expanded Polystyrene core, creating excellent sound deadening properties. Wallmark has had a complete wall section tested correctly and certified to AS 1191-2002. Testing data sheets and our NATA certificate of compliance are available on request. The panels can be easily cut or shaped on site using a circular or hand saw.



Why invest in a Wallmark wall?

- **Local manufacture** - local service, local delivery
- **No masonry cracks** - allows for ground movement
- **Lightweight product** - no heavy, dangerous tilting
- **DIY system** - very simple installation
- **No strip footings** - low cost, no mess, no hassle
- **Economical** - compared to masonry and concrete walls
- **Very sturdy** - avoid rotting, warping, dents, corrosion
- **Quiet** - superior noise reduction
- **Insulated** - cool, no heat transfer
- **Easy to coat** - smooth wall surface, pre-primed posts
- **Modular** - design and build your own style
- **Combat elements** - fire and termite resistant
- **Transport efficient** - lightweight components
- **Vandal resistant** - reinforced post and panels

RESIDENTIAL - Acoustic Panel Fencing

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COMMERCIAL - Noise Barriers

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Evowall - Sleek Alloy System

Evowall modular fencing is a very cost effective solution for domestic sound control. Supporting posts and capping are fabricated from strong rust-proof aluminium and the panels can be finished with a variety of coatings and unlimited colours. For sites that are at risk of high winds and cyclones, we have designed heavy duty posts that also offer a different style option.

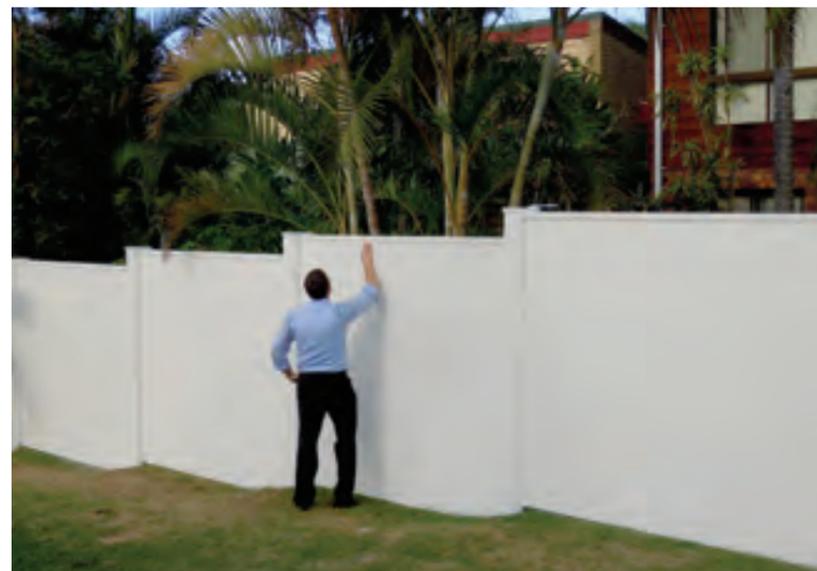
P6-9

Urbanwall - Custom Prestige Style

Urbanwall offers prestige styling designed for urban sites including parklands, commercial properties and residential premises. The wall panels are set between large pillar style posts, and users can choose from a variety of capping's. An Urbanwall is both sturdy and stylish, and has the appearance of a masonry wall.

P10-13





Post Sizes



100mm Post

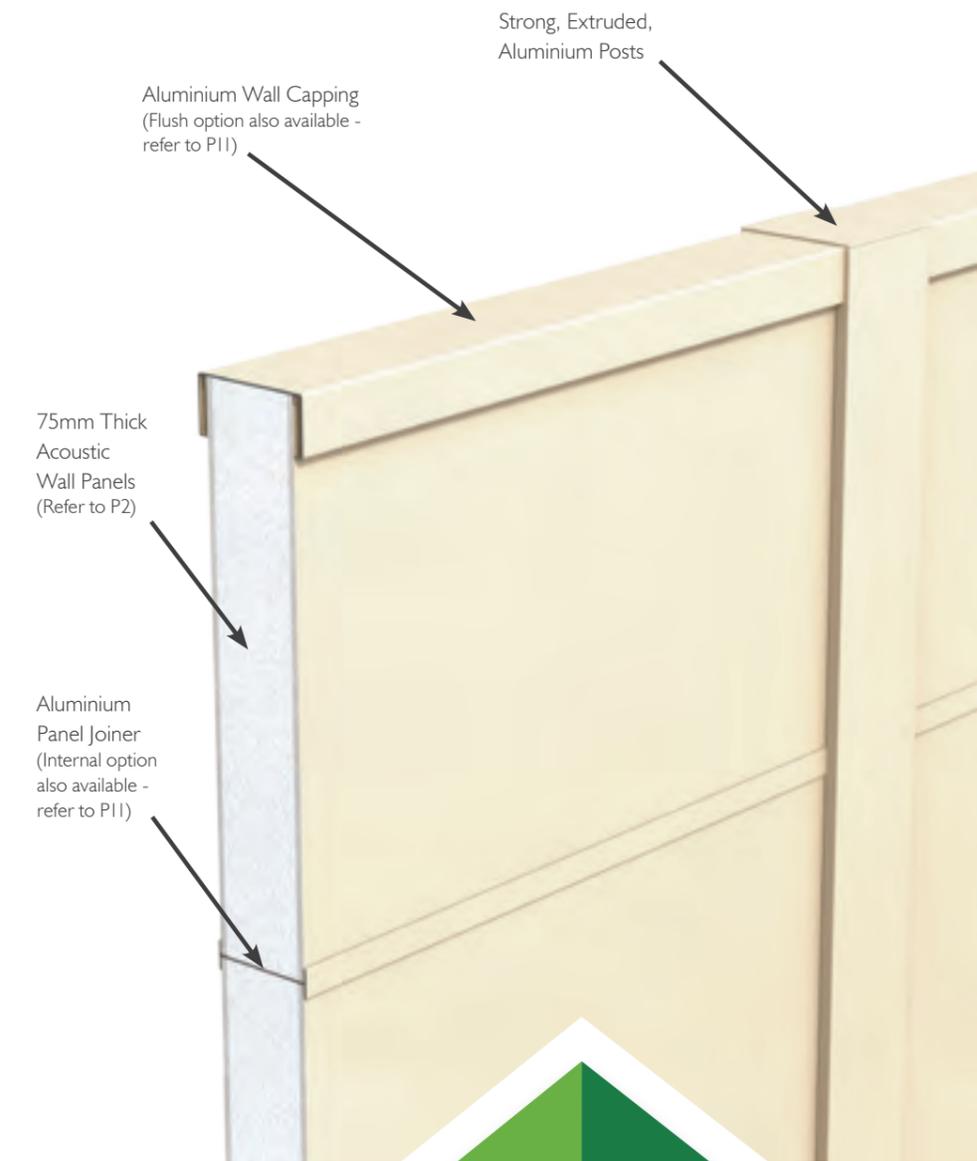


162mm Post

The **Evowall** range of posts have been engineered to suit a variety of wind regions. This includes wall heights up to 3.6m high, footing sizes and post spacings.

Our 100mm posts have been designed as an alternative to our larger sizes. The 162mm posts offer increased height options, cyclone compatibility and more construction flexibility. It is possible to mix the post ranges to economise (eg. 162 Corner/End Post with 100 square Centre Posts in between).

Excellent Noise Control
Resists Dents & Warping
Unlimited Colours & Texture
Superior Corrosion Resistance



Modular Slat System

Simple Installation

Fits 16mm Slats or Panelling

Easy To Change Spacing

No Spider Traps



Slide in slat infill



Slide in slat



Slide in slat spacer

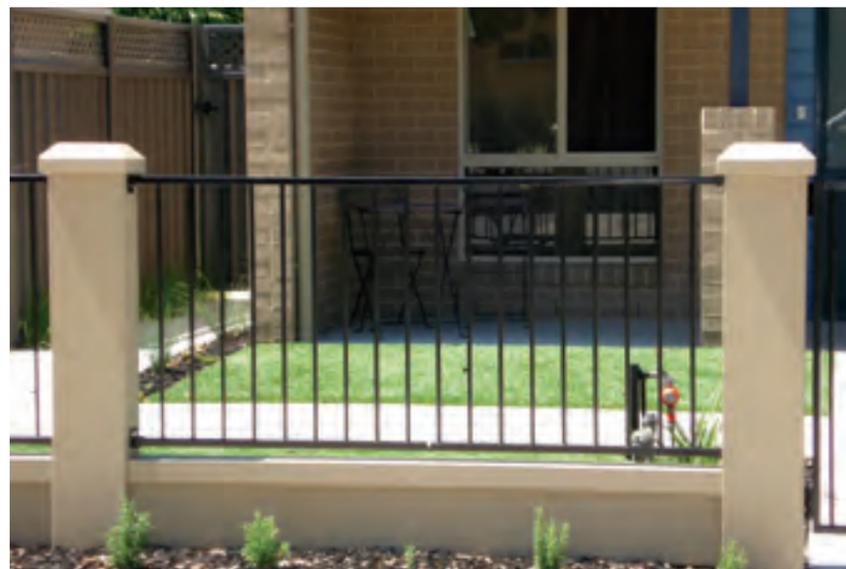


Repeat to desired height



Build your own style





Capping Styles



Box Wall Capping



Horizon Post Cap

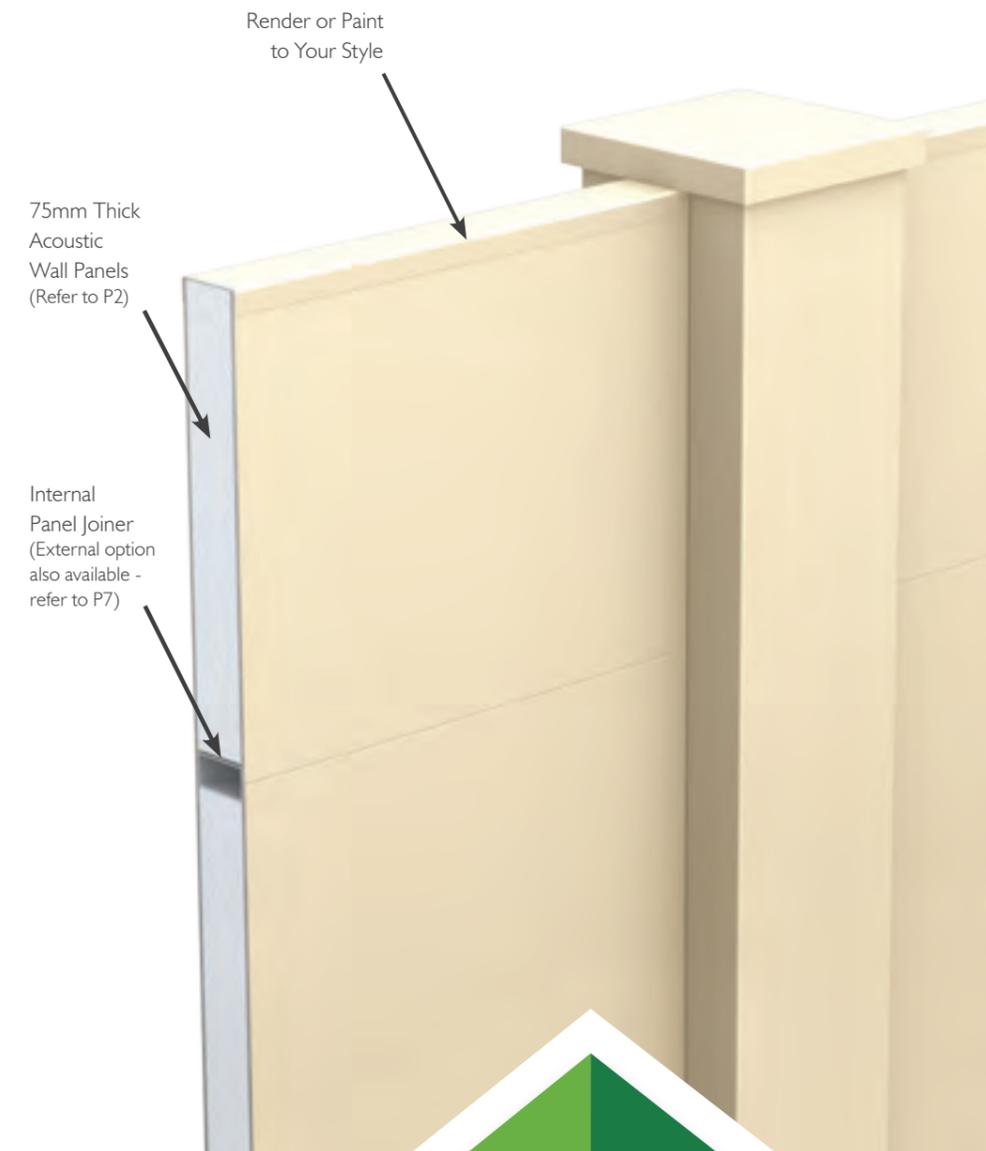


Plateau Post Cap



Tableland Post Cap

Fast, Easy Installation
 Large Pillar Style Posts
 Custom Design System
 Real Masonry Wall Look





Tide
Metal panel fixed to a 900 high wall.
Displayed with **Horizon** post cap.

Coral
Metal panel fixed to a 300 high wall.
Displayed with **Plateau** post cap.



Surf
Metal panel fixed to a 1200 high wall.
Displayed with **Tableland** post cap.

Ripple
Alloy slat panel fixed to a 900 or 1200 high wall.
Displayed with **Horizon** post cap.



Solid Wall
1800 high wall.
Displayed with **Plateau** post cap.



Dunewall - Custom Extra High

Our Dunewall system has been designed for commercial and industrial applications such as manufacturing, highway sound barriers, mining and construction sites. Posts are constructed from high strength steel and the composite panels are locked in place using our Patented boltless Centalok keys. Dunewall is customisable; it can be engineered to accommodate a user's special requirements for dust control or acoustic protection as well as security devices such as razor wire holders and spikes.

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Evowall - Pre-Engineered System

Evowall is the cost effective solution for commercial applications. Supporting posts and capping are fabricated from strong lightweight aluminium eliminating the need for heavy lifting equipment. The panels can be finished with a variety of coatings and unlimited colours creating an attractive, gap free architectural finish.

P20-23





Concrete posts into the ground & push the first lower panel into place.



Insert boltless Centalok keys to fix panel in position & drop in panel jointer.

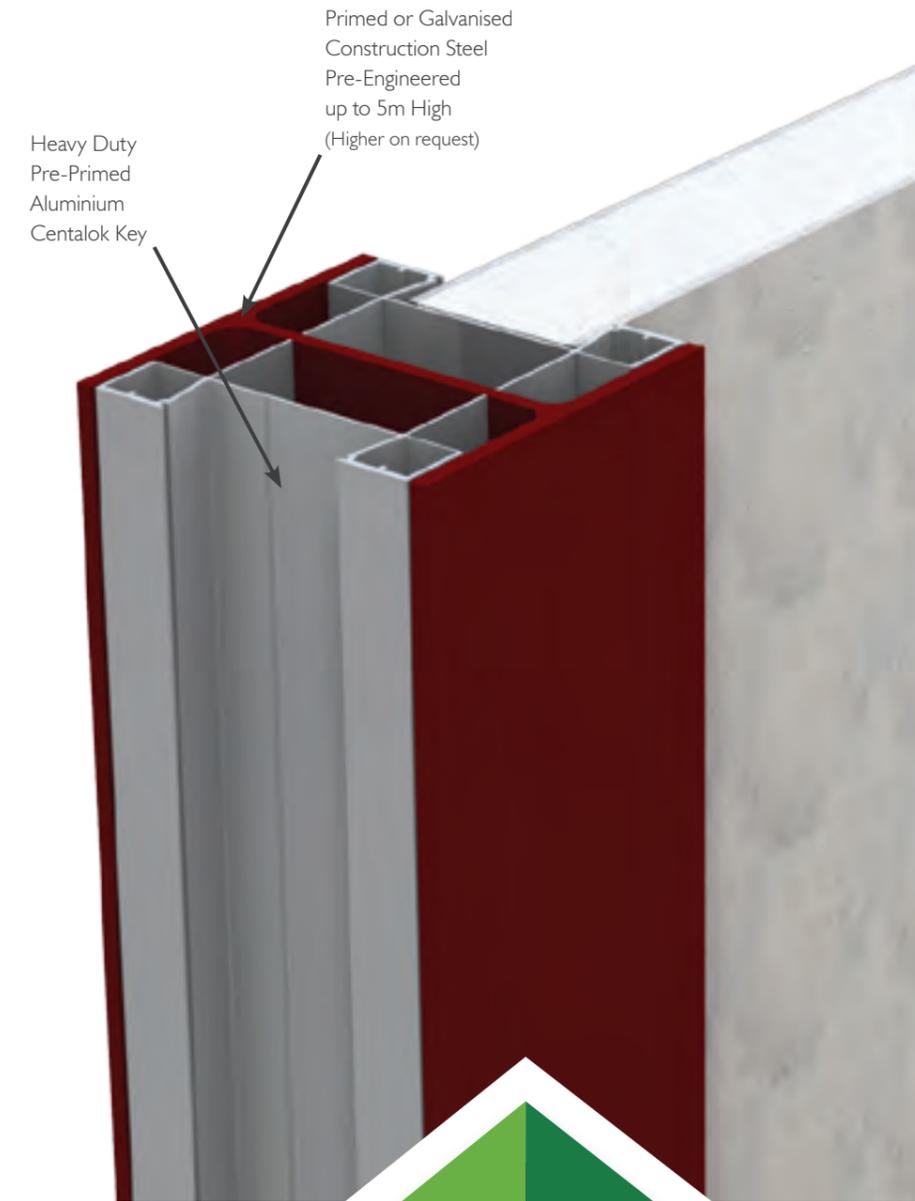


Repeat steps 1 & 2 to build wall to your required height from ground up.



Attach metal wall & post cappings, then apply the finish of your choice.

Fast, Boltless Install
 Excellent Sound Reduction
 Craneless Panel Installation
 Looks The Same From Both Sides



Double Panel System

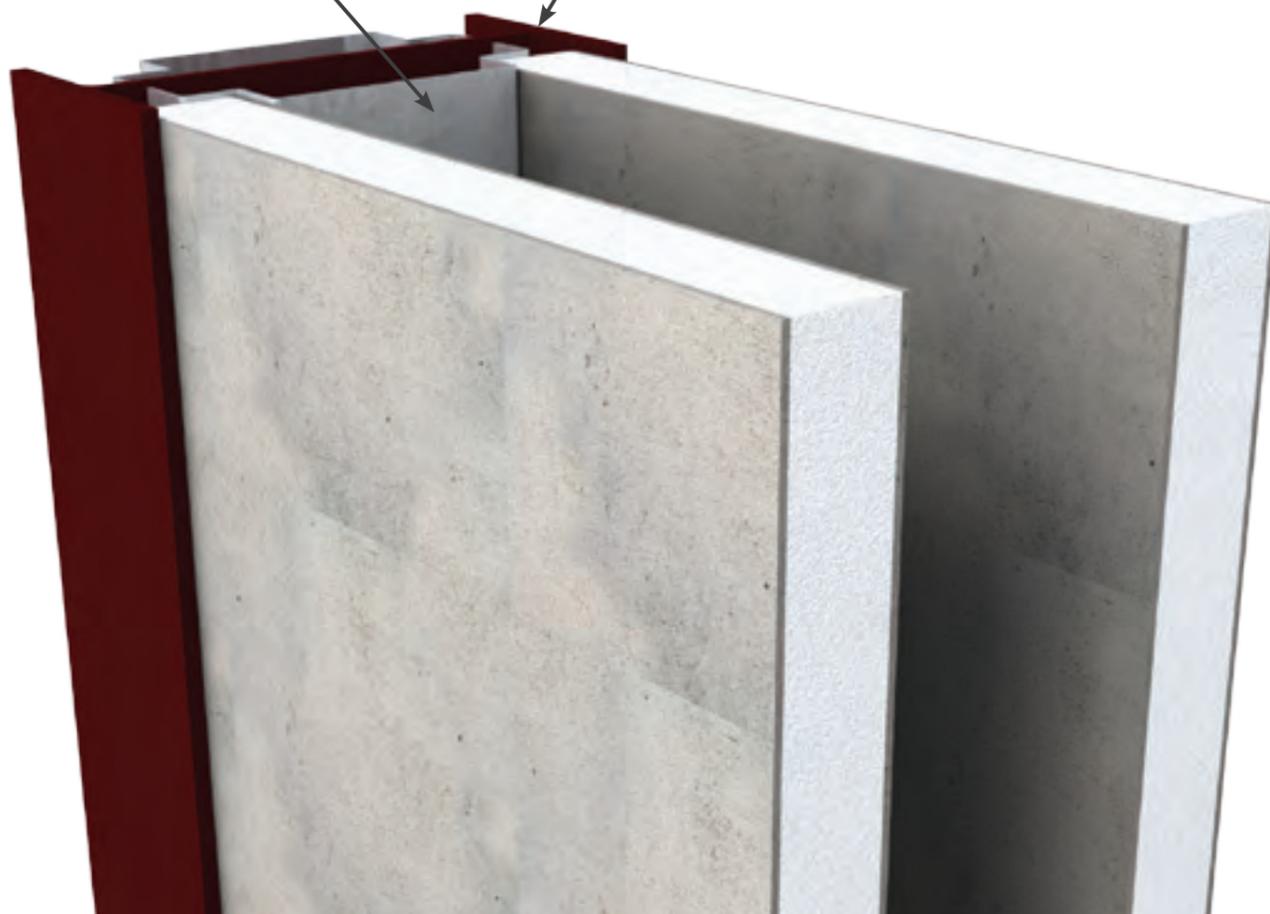
Flush Finish Both Sides

Safe, Cost Effective Installation

Noise Reduction of 39 Decibels!

Heavy Duty Boltless
Centalok Key

Primed or Galvanised Construction Steel
Pre-Engineered up to 9m High!
(Higher on request)





Post Versatility



Standard Post



Corner Post



3 Way Post



4 Way Post

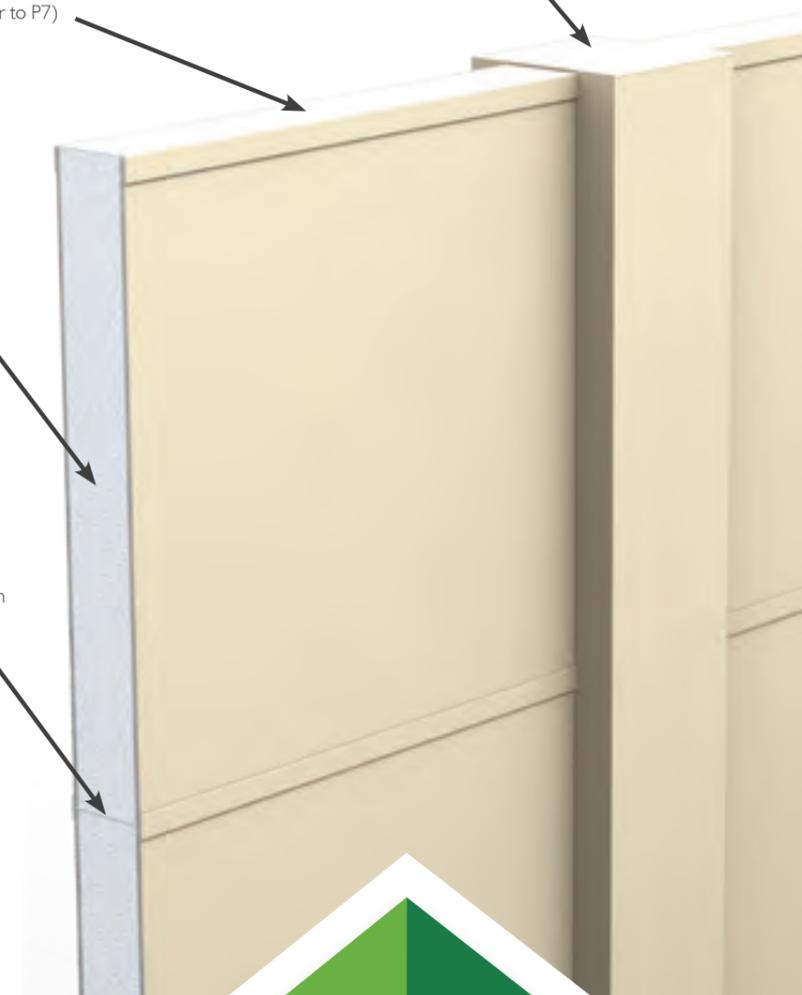
Excellent Install Flexibility
 Attractive Gap Free Finish
 Rust Free Posts & Capping
 No Heavy Lifting Equipment

Aluminium Wall Capping (Box option also available - refer to P7)

Strong, Extruded, Aluminium Posts Up to 3.6m High

75mm Thick Acoustic Wall Panels (Refer to P2)

Aluminium Panel Joiner (Internal option also available - refer to P11)



NEW **Evostyle**

Up to 4.2m High

Unique Architectural Flexibility

Strong, Lightweight Alloy Construction



Gust Post



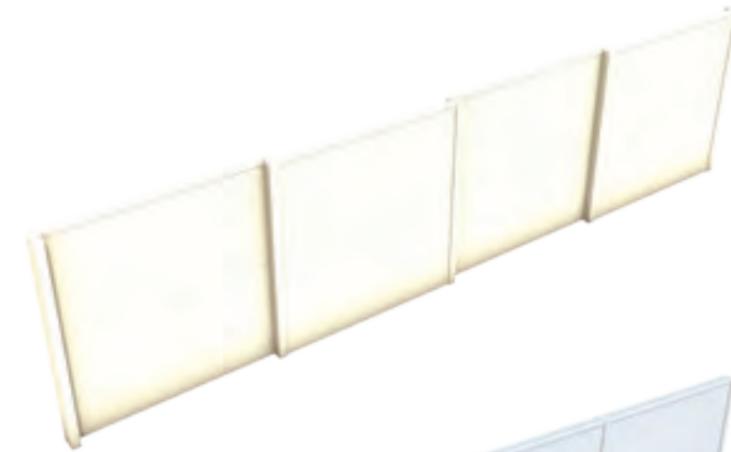
Gale Post



Breeze Post



Flow Post



Gust

A bold style making features out of wall panels. Further the statement of this style by changing the colours of the individual sections to create modern class.



Gale

Forcefully block sound with this double panel system by achieving up to a 39 Decibel reduction or even greater with the use of internal absorptive insulation.



Breeze

Achieve that traditional acoustic fencing look with a cleaner gap free finish. Walls don't have to be flat today with our unique post system.



Flow

A gentle ripple through the wall gives some colour variety through reflected lighting. The posts appear widely spaced, creating a lower height perception.



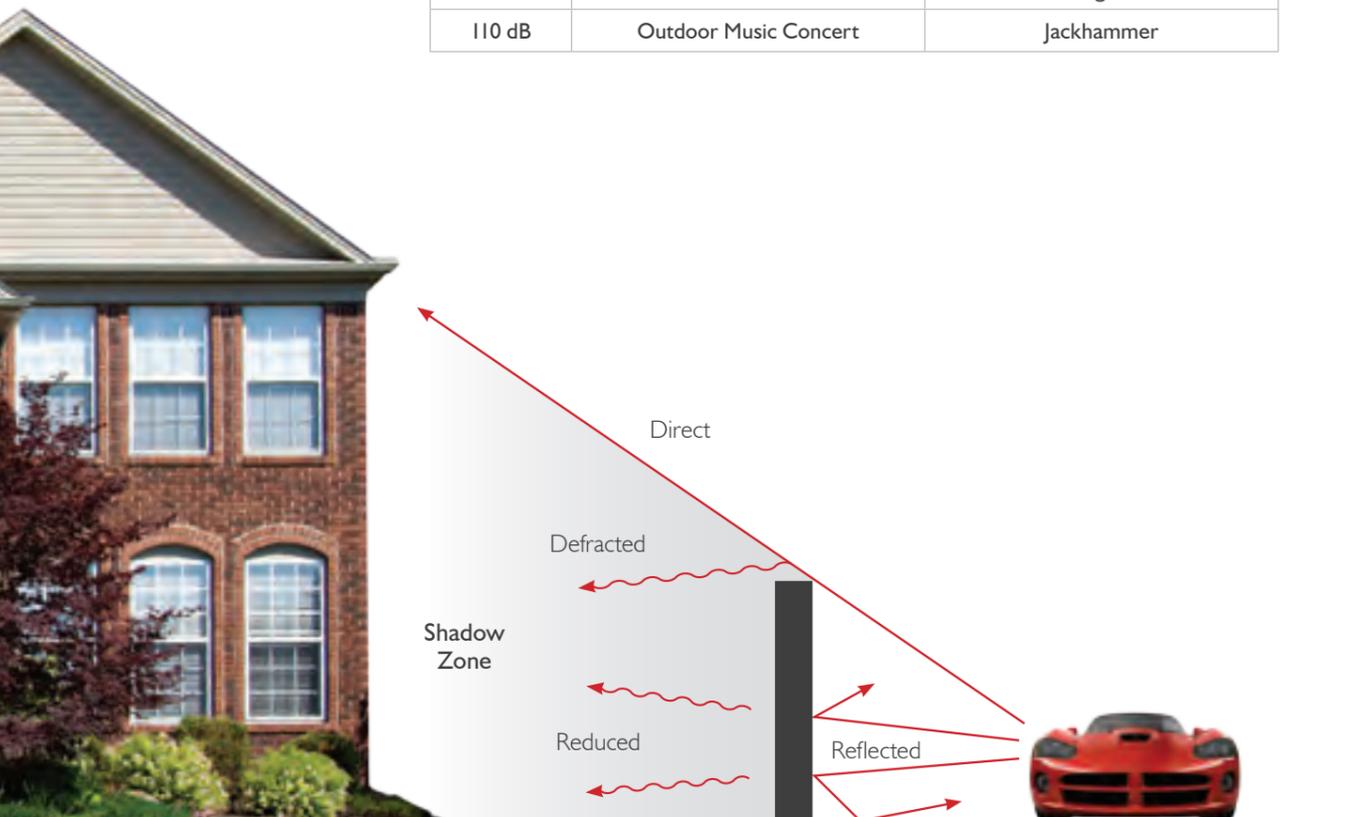
How does noise affect me?

Sound is emitted from thousands of everyday items and people all around us. Consistently loud or intermittent sounds can destroy your quality of life.

Frequency is also a factor with low frequency sounds being difficult to attenuate and high frequencies very effectively blocked. This is measured in Hertz – common noises are such as a stereo bass 40 – 80Hz, the human voice 300Hz, rock music peaking at 600 – 3000Hz (3kHz) and a chainsaw at 4kHz.

Common Sound Levels

DECIBELS	RESIDENTIAL	COMMERCIAL
60 dB	Conversation	Air Conditioning Unit
70 dB	Living Room Music	Passing Cars
80 dB	Garbage Disposal	Passing Trucks
90 dB	Lawn Mower	Chainsaw
100 dB	Motorbike	Hammering Steel Plate
110 dB	Outdoor Music Concert	Jackhammer

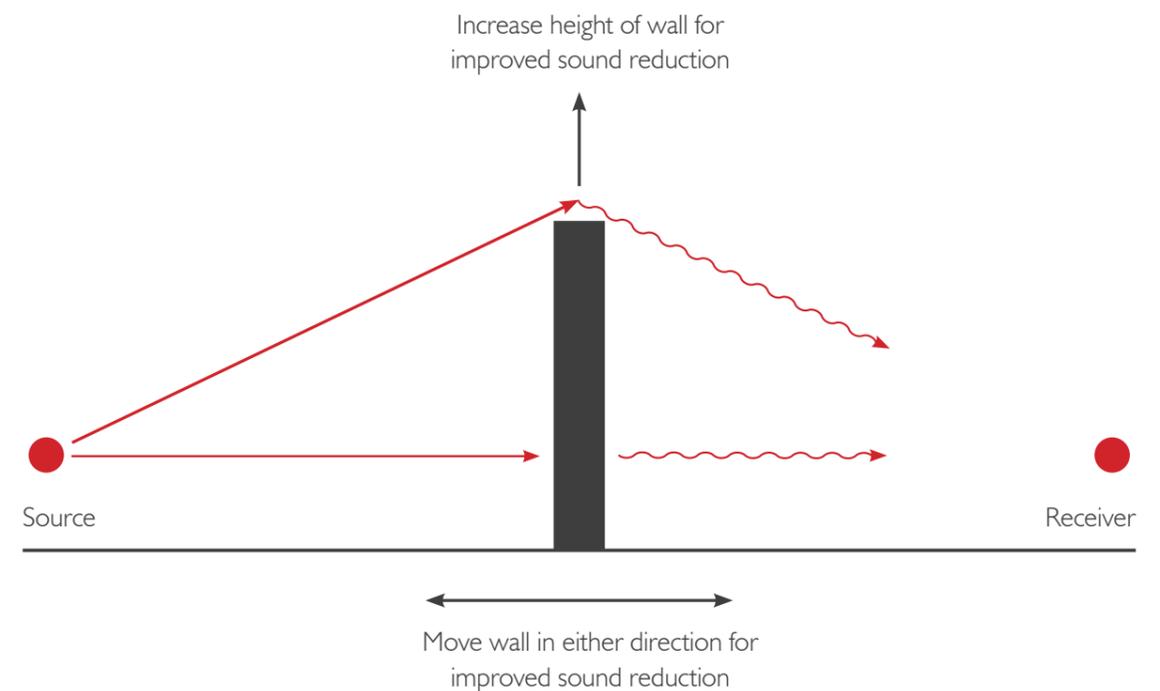


How Does a Barrier Work?

A noise barrier is a solid structure that intercepts and reduces sound within the shadow that it casts. Barrier attenuation in the open field is generally around 10 to 15 decibels due to height and width constraints, sound reflection and flanking around the edges.

THE CLOSER A BARRIER CAN BE TO THE SOURCE OR RECEIVER AND THE HIGHER IT IS, THE MORE EFFECTIVE IT WILL BE. THE LINE OF SIGHT BETWEEN THE SOURCE AND RECEIVER MUST BE BLOCKED COMPLETELY BY THE BARRIER.

If a certain decibel level is to be achieved, a qualified acoustician should be used to investigate the site and measure the existing sound to be able to determine what is required and what the actual results might be.



Wallmark Average Noise Reduction

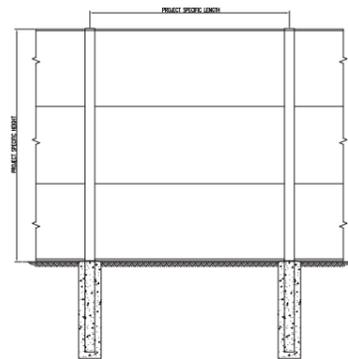
Standard Panel System - 28 Decibels

Double Panel System - 39 Decibels

Testing data sheets, NATA Certificate and Acousticians Reports available on request.

Pre-engineered to the highest standards

Our range has been engineered to suit a variety of wind regions. This includes wall height, footing sizes and post spacings. Due to the light weight construction of the wall, the footings become narrow piers - easier to dig and using less concrete. No strip footings required. Pre-engineering has been completed on the Dunewall and Evowall posts to retain up to 900mm of soil in various wind regions. Each project can be supplied with a set of detailed drawings to assist in the layout and correct installation with engineering sign-off, if required.



The Panel Core

- Termite resistant
- Superb compressive strength to weight ratio
- Absorbs minimal water - no mould or rotting
- Treated with Fire Retardant

The Panel Bond

- Full surface contact adhesion
- High grade Polyurethane glue

The Panel Outer

- Fire resistant & non-combustible
- Strong, impact resistant surface
- Smooth finish - easy to apply paint or render
- Maintenance Free

Mass: 15kg/m²

Thickness: 75mm

Height: 900 or 1200mm

Length: up to 3000mm

Acoustic Rating: Rw 28

Wind Region Rating: to C3

Warranty: up to 10 years

Our **Wallmark** products can be finished with many different coating options and unlimited colours. Some popular styles are smooth two or three coat paint systems, roll or spray on textures and the panels can also be finished with trowel on render. Sacrificial anti-graffiti products are available for extra protection. We recommend you work with a professional painter to discuss the most suitable paint style for your desired outcome. All major paint brands can be applied.





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Your Local Installer