



# Bupa Aged Care Sutherland, NSW

Acoustic Solutions for Aged Care Facilities

## Challenge

Bupa Aged Care built a new facility along the busy Princes Hwy in Sutherland, Sydney. The original council plans called for a timber fence along the main road boundary, which was quickly deemed unsuitable due to the high traffic noise and unappealing veneer.

## Solution

Bupa sought out a more aesthetically pleasing solution to match the prestigious image of their premier facility and quickly settled upon the VogueWall system, which utilises the 75mm AcustiMax™ panel. Modular Wall Systems worked closely with Bupa, local council and Taylor Constructions to design a wall that not only blended with the surrounding landscape, but carefully navigated between the existing trees that had a preservation order on them.

The minimal impact design of the Modular Wall System post footing was a perfect fit for this application. To enhance the natural and landscaped “feel” of the wall, we provided setback bays every 9 metres and applied a designer-series stone cladding. The final touch included painting in “Iron Stone” and a non-sacrificial anti-graffiti top coat to ensure a sophisticated finish that will last for many years to come.



**Modular Wall**  
systems

**Industry Leader in Innovative  
and Cost-Effective Acoustic and  
Boundary Walls**

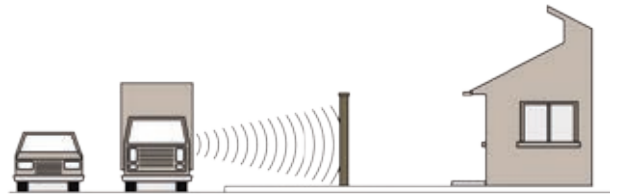
- Proven acoustic performance
- Cost effective
- Durable, light weight modular construction
- Quick and easy installation
- Suited to environmentally harsh and remote locations
- Good green efficiency rating



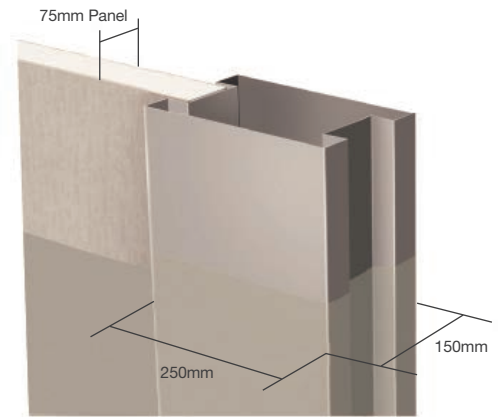
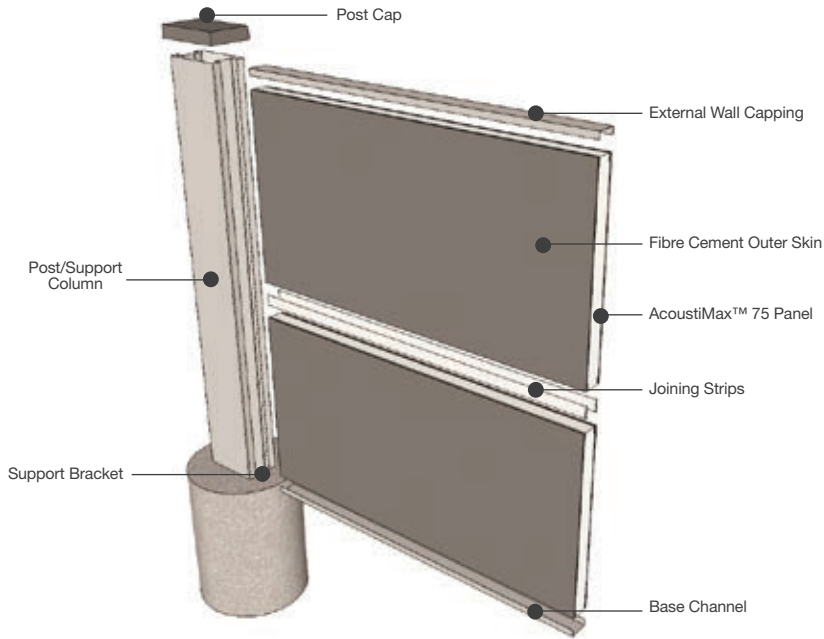
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[www.modularwalls.com.au](http://www.modularwalls.com.au)

## Acoustic Qualities

All Modular Wall Systems products have acoustic properties and are National Acoustic Lab tested and rated with reflective panels achieving a **20+ dBA** improvement and absorption panels exceeding a **Noise Reduction Coefficient (NRC) of 0.9**.



## VogueWall Construction



Vogue Post

## Footing Depth Table

Wall Height	Hole Depth into firm earth or clay		Hole Depth into sand, soft clay or loose earth		Hole Diameter
	Wind Region A & B	C	Wind Region A & B	C	
900mm	450mm	You will need engineering advice beyond the scope of this publication. Please contact our team directly for this information.	550mm	You will need engineering advice beyond the scope of this publication. Please contact our team directly for this information.	For all wind regions the post hole diameter should be your post width plus 100mm  VogueWall = 350mm min
1200mm	550mm		650mm		
1500mm	600mm		700mm		
1800mm	650mm		800mm		
2100mm	700mm		900mm		
2400mm	800mm		1000mm		
2700mm	900mm		1100mm		
3000mm*	1000mm		1200mm		

\* 3000mm high walls may not be suitable for all regions. Please consult our team prior to the design stage so we can advise if additional materials are required. For example shortened free end spacing's, deeper footings, core filling of posts etc.

## 'Post Centre to Post Centre' guide

VogueWall 75 AcustiMax™		
PANEL SIZE	POST CENTRES	POST FACE TO POST FACE
2400mm	2600mm	2350mm
2700mm	2900mm	2650mm
3000mm	3200mm	2950mm

