

## CASE STUDY

# ACOUSTICALLY RATED BARRIER BOOSTS COLES ASHMORE-BENOWA APPEAL



## Background

The Gold Coast region that has become the latest target for infrastructure upgrades ahead of the Commonwealth Games, now boasts a highly sought after neighbourhood shopping development spear headed by the Coles Group Property. The new Coles Benowa Village Shopping Centre completes the major Gold Coast infrastructure changes and creates a new urban heart including Coles along with 13 specialty stores. With any development there comes a responsibility to neighbouring residents with regards to acoustic abatement solutions. Coles Group Property were required by Council to provide an acoustically rated screen alongside the acceleration lane shielding neighbouring residents from traffic noise. In addition, there was a requirement for a custom designed acoustic solution to shield residents in adjoining properties from the noise of a highly patronised Coles loading dock that operates late into the evening.

## Solution

It was a combination of two different noise abatement products that provided the perfect solution. For the Ashmore Road Acceleration Lane, 190 metres of GuardianWall standing at the extra tall height of 3 metres deemed most suitable. When incorporated with AcustiMax75 panels a noise reduction of 28Rw is comfortably achieved and ensured sufficient noise attenuation for neighbouring residents. The pre-finished panels allowed for a faster and more cost effective installation. By cleverly incorporating a customised design including multi pre-coloured panels on the wall surface, no painting post installation was required. This also permitted a unique and dynamic colour scheme that fitted in perfectly with the surrounding area and its diverse audience. A superior noise absorption solution was required for the Coles Loading Dock and ModularWalls new sound absorbing composite wall panel, AcustiSorb provided the perfect antidote given it absorbs noise from its source.

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