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REAPOR SOFTENS REVERBERATION ROYAL FAR WEST CHILDREN'S PLAYGROUND

CASE STUDY

BACKGROUND

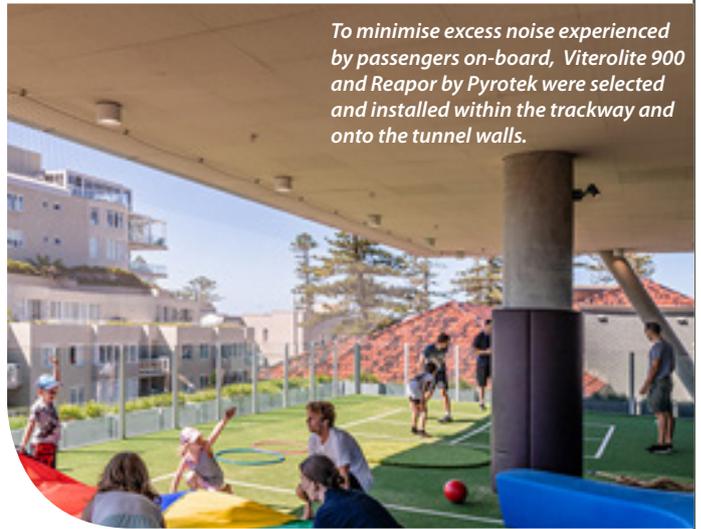
Intended to provide a relaxing environment, benefitting from sea views, the six-storey centre's enviable location – just off the bustling Manly esplanade – meant that residents were also surrounded by a hospital, school, shopping centre and busy road.

For Michael H, Facilities and Operations Manager at Royal Far West, maintaining a peaceful ambience in the centre's outdoor covered balcony area was a key concern. "We have a range of children here who are receiving treatment and care for various issues, including behavioural and hearing. We didn't just want the play area to be a nice, relaxing space for the children to enjoy – there were also important clinical reasons for needing to keep loud traffic noise and echoes to a minimum". Reducing reverberation and absorbing noise where possible within the space drove the need for including a high performance solution.

THE SOLUTION

Working closely with Royal Far West, project architects, Architectus, specified Pyrotek's highperforming Reapor noise-absorbing panels to cover all wall and ceiling surfaces within the balcony area, to help create an oasis of calm in an otherwise noisy environment.

Opting for 25mm thick panels, with an impressive 65% sound absorption (0.65 NRC), the non-combustible rated Reapor system is one of the few available on the market that can be adhered directly onto a wall without insulation, while also being lightweight and offering a long product life.



To minimise excess noise experienced by passengers on-board, Viterolite 900 and Reapor by Pyrotek were selected and installed within the trackway and onto the tunnel walls.

Reapor blends into the environment visually and effectively absorbs noise.

RESULTS

The result is a light, quiet balcony, away from the hustle and bustle below, that puts the focus back onto the stunning sea and beach views.

"The tiles we selected are unobtrusive", remarks H; "they don't stand out, but instead provide a muted canvas, both visually and acoustically, that blends into the environment and absorbs the unwanted noise extremely well. We're thrilled with the finished look and feel of the area, and feel that we definitely made the right choice with Reapor".

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Left: Reapor provides exceptionally high NRC 0.95 for balcony application.

