

Improving the Acoustics for a School's Multipurpose Room



Wood Wool Cement Panels Help Reduce Reverberation and Noise

Avenue Interior Systems' wood wool cement panels proved the ideal solution to unwanted noise for a state primary school's multipurpose room.

The Challenge

Bunker's Hill State School, located in Westbrook Queensland, were in need of noise control in their multipurpose hall. The building was constructed of concrete and tin, which meant all the surfaces in the room were hard – any noise created within the space would reverberate and echo.

This became a problem for the school – particularly during musical performances, when sound quality is of great importance. The school asked Avenue Interior Systems to provide a solution which would be both acoustically effective and aesthetic.

The Avenue Solution: Wood Wool Cement Panels

To solve the school's reverberation problem, Avenue Interior Systems installed wood wool cement panels on six walls around the hall.

An upgrade on traditional wood wool panels, Avenue's product includes a cement component, resulting in a stronger and more durable panel with a higher acoustic rating and a higher fire rating. These panels are available with a raw finish, or in any RAL colour of your choice.

Avenue's wood wool cement panels are:

- Manufactured from New Zealand Poplar wood, mixed with cement and MgO
- Strong, durable, and long-lasting
- Acoustically rated
- Environmentally friendly, and
- Available in a range of thicknesses and panel sizes.

All these features make wood wool cement panels ideal for use in auditoriums, sports or multipurpose halls, public spaces and function rooms.

Results Achieved by Avenue

The school's staff were very happy with the outcome, telling us that they noticed the results immediately.

Backing up these impressions, reverberation times were recorded before and after the installation to compare the time in seconds at different frequencies.

For more information on noise control solutions for schools, contact the team today on **1300 827 177**.

We look forward to Designing Your Silence.