For Ceilings and Walls

Case Study

Les Mills Newmarket

Acoustic Plus™ Cloud Systems control noise at Les Mills Newmarket

Ecoplus Systems provide an affordable solution to problematic noise reverberation

FEATURED PRODUCTS

Acoustic Plus™ Sound Absorbing Ceiling Beams + Panels

TECHNICAL REFERENCE

Acoustic Plus™ Sound Absorbing Ceiling Beam + Panel data sheets

Auckland University Acoustic Services noise reduction test

PRODUCT FEATURES

» Installation kits available
» No framing required
» Hygienic surface finish
» Selection of sizes and shapes
» Can be wrapped with fabric

» Acoustic performance tested and measured by Auckland University Acoustic Services

To resolve the many challenges of controlling noise and reverberation, Warren and Mahoney Architects specified suspended acoustic ceiling treatments throughout the new Les Mills exercise facility, which opened in Newmarket late last year.

While the original internal concrete and steel structures connect to the building's industrial past, the addition of a high level of glazing required the installation of an optimal acoustic system. EcoPlus Systems Cloud baffle beams and panels were selected and installed throughout the interior, from the entranceway and stairwells, to the dance and aerobic studios.

For this project, EcoPlus Systems customised some panel sizes to fit specification, and at 75mm thick, they were assessed by Auckland University Acoustic Services to be in the range of NRC 1.00 approximately. By comparison, the standard 50mm thick panels have tested at NRC 0.95 — meaning they will absorb 95% of the noise and reverberation off the many hard interior surfaces.

KEY FEATURES: High acoustic performance rating by the Auckland University Acoustic Services
NZBC Group 1-S
Frameless and streamlined appearance
Cost-effective
Suspension or direct fixing options and easy to install or retrofit
Multiple shapes and colour options