



Creating a quiet office inside a working can manufacturing facility

An acoustically rated space delivered with minimal disruption

INDUSTRY	Manufacturing (Can Production)
LOCATION	Sydney NSW
CLIENT	Orora Group are a global leader in the design and manufacture of glass bottles and aluminium cans. With innovation and sustainability at the heart of their operations, Orora's aluminium cans network spans six manufacturing sites across Australia and New Zealand.

THE CHALLENGE

Orora Group required a quiet, acoustically rated office and collaborative space inside their Sydney can manufacturing facility. The new free-standing structure needed to sit within a live production environment where ambient factory noise levels reached approximately 95 dB.

The brief called for:

1. A noise-reduced, fire-rated structure suitable for office use
2. A calm and focused environment to support collaboration
3. Safe and practical access points with vision panels
4. Seamless integration into the existing facility while adhering to concept drawings

OUR APPROACH

Drawing on extensive acoustic engineering expertise, the AcouSTeCH team developed a tailored solution designed to manage sound transmission, meet fire compliance standards, and create a productive workspace.

The design incorporated high-performance acoustic panels, purpose-built doors and windows, and a structural framework to maintain strength and acoustic integrity. The AcouSTeCH team conducted multiple site visits to verify dimensions, coordinate project planning, and maintain clear and consistent communication throughout the process.

ON-SITE DELIVERY

Installation was carried out by AcouSTeCH's trained installers. To ensure the project was delivered on schedule and to specification, the Infrastructure Acoustics Managers, Project Coordinator and Director of Operations remained closely involved throughout.

The build was completed with minimal disruption to ongoing factory operations, ensuring Orora's production remained uninterrupted.

THE DELIVERED SOLUTION

The result is a fully enclosed, acoustically rated office and collaborative space inside Orora's manufacturing facility. The structure has significantly reduced external factory noise from approximately 95 dB to levels that are suitable for focused work, meetings, and team discussions.

The finished space provides a functional, safe, and comfortable working environment that meets both acoustic and fire performance standards.

KEY FEATURES

- 100mm EconoPanel walls with a 38 dB acoustic rating and perforated internal linings for sound absorption
- Steel support structure and reinforced door frames for strength and rigidity
- Two Rw46 Sonic doors with acoustic vision panels, double seals, and powder-coated steel frames
- Four Rw36 acoustic doors for internal access with similar performance characteristics?
- Eight 1200 x 800 mm acoustic windows positioned to suit operational requirements
- Detailed engineering support, including CAD drawings, site measurements, project management, and coordinated delivery

INSTALLED PHOTOS



THE BENEFITS FOR ORORA

1. A significant reduction in ambient noise levels
2. A compliant, fire-rated acoustic structure built to perform long-term
3. A layout designed specifically for their operational needs
4. Fast and efficient installation, with minimal impact on production

PRODUCTS USED

- **EconoPanel** acoustic wall system
- **Sonic Access** acoustic doors
- Custom **acoustic windows**
- Structural steel framework and engineering support

HAVE A NOISE COMPLIANCE CHALLENGE?

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