



Project Case Study

The Verve Apartments, Melbourne Australia

system **USG Powerscape Fiberock**



Project

The Verve Apartments and Milano Tower

Architect

Urban Design

Contractor

Airport Ceilings (Milano Tower), JZ Lee (Verve Apartments)



Products

→USG Drywall Suspension System

→USG Powerscape Fiberock Gypsum Board

The interiors for these significant landmark Melbourne towers were created using USG Drywall Grid Suspension system and USG Powerscape Fiberock.

For the ceilings, the pre-engineered components of the USG Drywall Grid Suspension System allowed the contractors to quickly connected to form attractive, rigid plasterboard drywall ceilings.

The interior walls were lined with USG Powerscape Fiberock. This gypsums based Eco-preferred wall lining is made up of 95% recycled material and offers sound control, solid touch-and-feel, strength, stiffness, impact, fire, and moisture resistance in the one board.

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USG Powerscape Fiberock Product and Project Details



The Verve Apartments, Melbourne

USG Powerscape Fiberock, Intertenancy acoustic fire wall system

With increased resistance to indentation and penetration, FIBEROCK Aqua-Tough interior panels outperform speciality plasterboard and fibre cement panels. They are suitable for use on walls, ceilings, and exterior dry soffit applications, offering abuse-, moisture-, mold-, and fire-resistance.

Compliance BCA (Building Code of Australia)

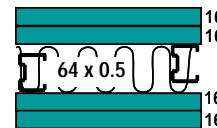
Acoustic	Complies with BCA requirements for $R_w + C_{tr} \geq 50$, and for discontinuity.
Fire	Complies with BCA fire requirements.
Wet Areas	USG wet area wall designs exceed the requirements of the Building Codes of Australia Section C1.8.
Penetrations	Approved acoustic and fire penetration details available from www.powerscape.com.au

Developer, Builder, Contractor & Occupier Benefits

Slender Profile	PRS60SoB system is only 204 mm thick, leaving higher net usable floor space.
Solid Feel	The all important solid touch-and-feel walls, for occupier peace of mind - better than light weight concrete wall systems which include a cavity and plasterboard outer layer.
Light Weight	Wall weight only ~ 30kg/m ² , reducing dead load of building.
Efficient	Single layer of lining each (PRS60SoB) side means low crane time utilisation, less site congestion, and rapid installation.
Crack Resistance	Joints typically 15% stronger than plasterboard joints. Linings resist impact better than 9mm fibre cement and 13mm scrim reinforced plasterboard.
Rebated Joints	Linings supplied with factory formed side tapers. Sheet ends can be tapered on site with an electric plane, so that all joints are paper-tape reinforced, and jointed without wide-set bulges.

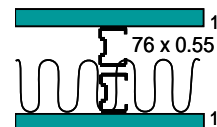
PRS120StA

For 2 hour fire rated inter-tenancy wall requirements, PRS120StA was used as it complied with BCA $R_w + C_{tr} \geq 50$ discontinuity requirements and achieved FRL -/120/120



PRS60SoB

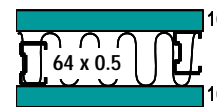
PRS60SoB wall system was utilised for non load-bearing walls between apartment occupancies giving a $R_w + C_{tr} \geq 50$



Optional System

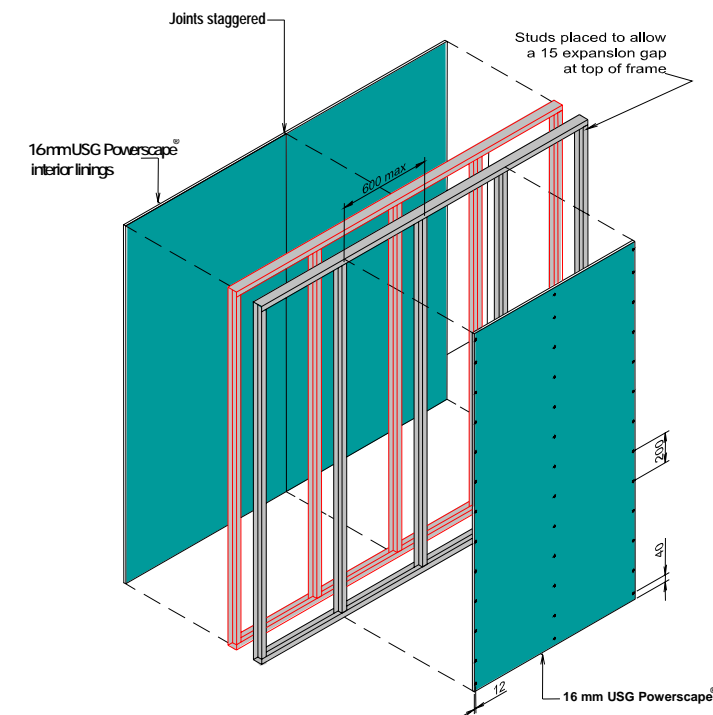
PRS60StA

It was possible to use this system with $R_w \geq 50$ for corridor walls if desired, however, for simplicity and extra rigidity, the PRS60SoB system was used throughout



PRS60SoB

$R_w + C_{tr} \geq 50$
Discontinuous
FRL
- / 60 / 6



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