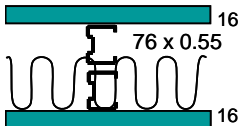


USG powerscape® Peacekeeper® 204 Intertenancy acoustic fire wall system

Peacekeeper® 204 PRS60DoB



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



The Powerscape Peacekeeper® 204 wall system is used in the Hub apartment tower in Brisbane.



Application

- Use this wall system for non load-bearing walls between apartment occupancies. See reverse for companion wall system designs for apartment corridors, and other areas.
- Also for other applications requiring acoustic and fire separation such as educational, justice, recreational, and health institutions.

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 up to -/60/60.
Wet Areas	Wet area wall designs shown in USG Powerscape Health® Full Story brochure exceed the requirements of the Building Codes of Australia Section C1.8.
Penetrations	Approved acoustic and fire penetration details are included in USG Powerscape Health® Compendium.

Developer, Builder, Contractor & Occupier Benefits

Slender Profile	Only 204 mm thick, leaving higher net usable floor space. (See also, on reverse, Peacekeeper® 180 at only 180mm thick).
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	System weight only ~ 42 kg/m ² , reducing dead load of building.
Efficient	Single layer of lining each side means low crane time utilisation, less site congestion, and rapid installation.
Trades	Installation is by commercial drywall contractors. No wet trade requirement.
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.
Level of Finish	Can be specified at either Level 4, or Level 5 finish. (For further detail on levels of finish, see the USG Powerscape Health® Full Story brochure).
Paint	Lining surface is soft enough to allow easy hand or machine sanding of all joints and patches for a quality overall finish. Paint bonds directly to the plaster face of the USG Powerscape lining, for a high integrity finish. Select paint systems as desired, including hard abrasion resistant finishes when required.

USG Powerscape Peacekeeper® 204 Main Components

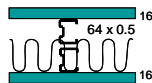
- USG Powerscape® interior linings 16 mm thick.
- Steel 76mm stud system at 600mm centres. See stud manufacturers specifications for maximum wall heights.
- Cavity Insulation – Glasswool R2.0 or acoustic equivalent.
- Fire rated (60 minute) acoustic sealant.
- Jointing compounds and paper tape, as used for plasterboard jointing.
- Paint system to the finish and durability requirements desired.



These photographs show the USG Powerscape Peacekeeper® 204 intertenancy wall system in the Hub apartments (left) in Brisbane, and the USG Powerscape® PRS60StA wall system being installed in the corridors of the Verve apartment towers (right) in Melbourne. Multi-score and snap sheet edges can be seen at the wall corner, waiting for fitting of the corner angle. Also visible are site formed rebates on sheet ends, ready for sealing and then jointing.

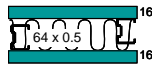
Companion Systems

Peacekeeper® 180
PRS60DoC



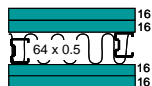
Extra slender wall system for use where wall heights are 2400-2700mm (higher if thicker gauge studs are used). $R_w + C_{tr} = 50$, FRL -/60/60.

PRS60StA



Either use this system with $R_w \geq 50$ for corridor walls if desired, or for simplicity and extra rigidity continue the Peacekeeper® 204 system throughout. $R_w \geq 50$, FRL -/60/60.

Peacekeeper® 156
PRS120StA



Use for 2 hour fire rated inter-tenancy wall requirements. Complies with BCA $R_w + C_{tr} \geq 50$, and discontinuity requirements. FRL -/120/120

Luxury

Use USG Powerscape Health® 10mm, or 13mm, interior linings for all other walls and ceilings in high quality and luxury apartments. These provide a solid touch-and-feel throughout, and other aesthetic, health and ecological benefits. They cost very little more than commodity plasterboard, and an investment of \$500 - \$750 more per average room will provide outstanding differentiating features.

Questions

Need an acoustic and fire rated wall system not shown here? Then check the system range printed in the back of the USG Powerscape Health® Full Story brochures, or check on www.powerscape.com, at the Literature Resources page, for a current list of all wall systems – or call 1800 226 215 for technical assistance.