

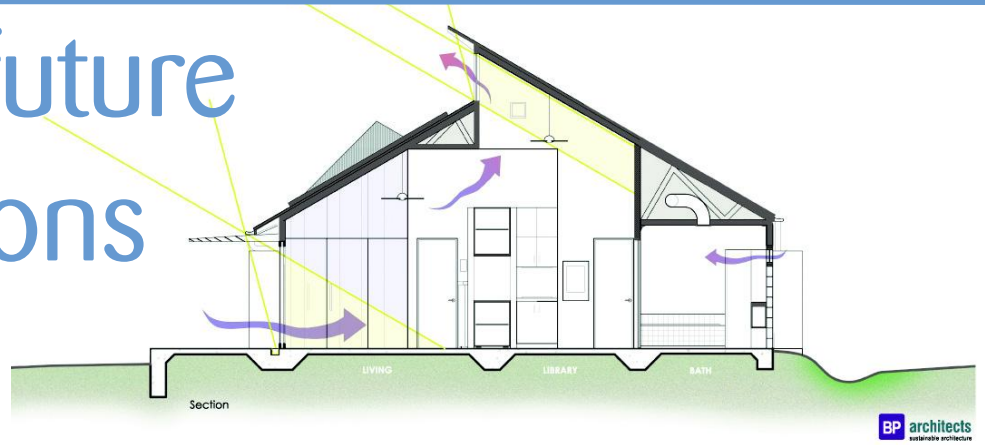
Project Manager Brandjes Environmental Building Consultants

Location Victoria, Australia

Architects Bridget Puszka, BP Architects

Interior Linings USG Powerscape Health®

A better quality of life now, and for future generations too.



At the HIA home ideas show this year is a new highly featured interior wall and ceiling lining. It promises ‘a better quality-of-life for home occupants now, and to help preserve a quality world for future generations too’

This new lining can be seen in the EcoSmart Sustainable House which uses sustainable design principles, and features eco-preferable building products. Project management for this house is by Jan Brandjes of Brandjes Environmental Building Consultants, and design is by Bridget Puszka, Principal Architect, BP Architects – who specialise in sustainable architecture.

New Eco-Preferable Interior Linings

New interior lining materials that genuinely improve the quality of life do not come along very often. Plasterboard and ceiling tile were both invented around 100 years ago by the same company. Recently that same company released a new lining product, with advanced features suited to today’s living conditions and world environment. This new lining is being used right throughout the EcoSmart home, on walls and ceilings, and in wet rooms too. It is available in Australia from Powerscape, whose company representative explained that “It is called USG Powerscape Health® for three reasons:

- The surface is plaster so there is no layer of paper to feed toxic mould
- It contains no sand or cement, meaning no on-site carcinogenic silica dust risk
- USG Powerscape Health® is more resistant to water absorption than both fibre cement and wet area plasterboard, reducing the risk of lingering unhealthy dampness

This lining stands apart from all competitors in improving the quality of life at home, and also for future generations.”

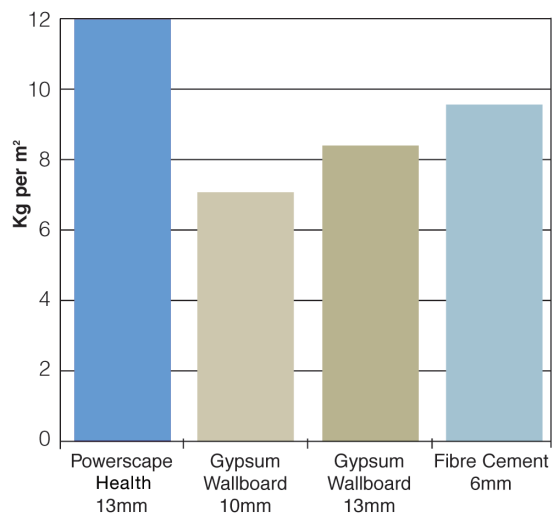
A Better Quality of Life Now

USG Powerscape Healthier Living. Using USG Powerscape Health® interior linings create healthier indoor living conditions. It has excellent resistance to toxic mould and mildew formation (both inside and outside wall cavities), and also to water absorption and lingering dampness. It is also free from known health risks associated with formaldehyde and respirable crystalline silica. These features reduce the risk of respiratory and other illnesses.

USG Powerscape Health® has stand out performance leadership in achieving 10, the maximum possible score, in the demanding ASTM D3273 test which measures mould propagation resistance.

Nominal mass per m² of typical wall linings

USG Powerscape Health® has more mass to block sound

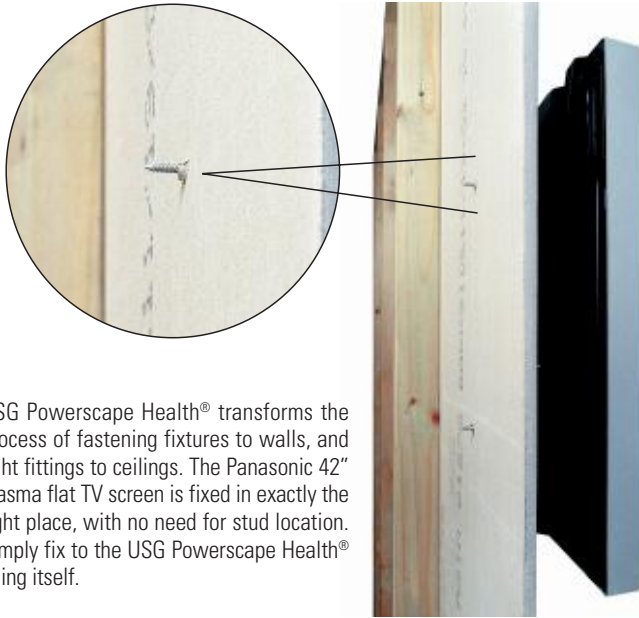


Increased Comfort. The much greater strength and stiffness of USG Powerscape Health® provide a reassuring solidity and dependability. And what’s more, all sheet side and end joints use rebates and are reinforced for extra strength to resist unsightly crack formation. The higher mass (see graph above) reduces sound transmission creating new freedom to both make and escape noise. This mass also helps to comfortably moderate temperature extremes.

New Design and Detailing Options. Being rock-solid right-the-way through and without paper surfaces USG Powerscape Health® interior linings come with extra entirely new aesthetic detailing options. Both the face and the edge of the lining can be machined and finished for display.



This solidity also supports another first for monolithic interior wall systems – good screw holding capability so that art and wall furniture can be securely mounted in exactly the right place.



USG Powerscape Health® transforms the process of fastening fixtures to walls, and light fittings to ceilings. The Panasonic 42" plasma flat TV screen is fixed in exactly the right place, with no need for stud location. Simply fix to the USG Powerscape Health® lining itself.

For Future Generations Too

In Australia, USG Powerscape Health® has been listed by ecospecifier due to being eco-preferable in three ways to plasterboard and to fibre cement. Search at www.ecospecifier.org for USG Powerscape Health® to read the detail. In USA, USG Powerscape Health® has been awarded the prestigious Green Cross after being independently certified as being manufactured from 95% recycled raw materials

“USG Powerscape linings were specified for the EcoSmart exhibit as 95% of its raw materials comes from a recycled source. Its superior acoustic properties help manage noise, especially if you have hard floor surfaces, like floor tiles. The harder and more durable surface means you can expect a long serviceable life from the product and that it will still look good with daily wear and tear.” Bridget Puszka, BP Architects.

Installation

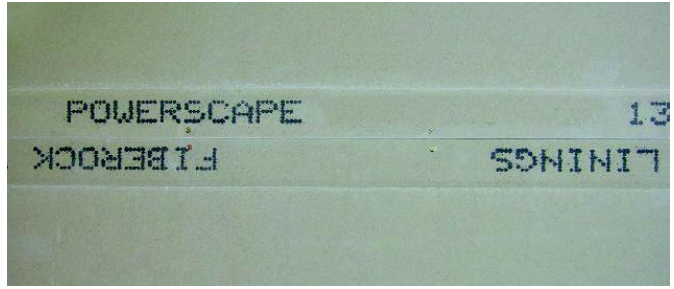
Australian Distributor:

Powerscape Pty Ltd

Phone 1 800 226 215

www.powerscape.com.au

Powerscape® and Health® are trademarks of Powerscape Pty Ltd.
USG Powerscape Health® was known as Powerscape Distinction when supplied to this project.



Installation of USG Powerscape Health® is much like installing plasterboard, but with important new conveniences:

- Rapid nail gun fixing into timber, and screws self-seat reliably with steel framing.
- One product does the whole job. USG Powerscape Health® is suitable for every room in the home, including normal wet areas.
- Wood working tools can now be used. USG Powerscape Health® can be scored-and snapped. Hand tools should be used with a dust mask, and use of powered tools should include use of dust extraction.

Available Now

USG Powerscape Health® has been designed to go right to the core of what creates an environment that offers a luxurious sanctuary for a better quality of life - for occupants today, and for future generations too. Walls of USG Powerscape Health® typically cost around \$500 more than standard plasterboard per average size residential room – delivering USG Powerscape Healthier and more comfortable living, enhanced aesthetics, and a better world for future generations too.

USG Powerscape Health® is available across Australia from Powerscape Pty Ltd (Freephone 1800 226 215) along with other eco-preferable products for walls, ceilings and floors. All come with the power to transform design, installation and living for this generation and the next. Call for design and specification support, samples, quotation and supply.

Stay In Touch

Keep up to date. Register at www.powerscape.com.au to receive news on Powerscape eco-preferable building products and systems.

Key Product Features - USG Powerscape Health®

- Four product thicknesses and suitable for interior linings in wet and dry areas.
- Exceptional impact resistance; USG Powerscape Health® is at least as strong as 9mm fibre cement and scrim reinforced plasterboard, and twice the strength of same thickness regular plasterboard. Powerscape Health® Ultra-Mesh, much stronger again, is in a class of its own.
- Joints easily to provide monolithic finishes.
- Screws, nails, glues and staples easily. Cut to size virtually dust free with multi-score and snap. Hand tools and powered standard wood working tools can also be used when using a dust mask.
- Two way fire rated systems up to 60 minutes (single layer) and 120 minutes (2 layers).
- High mass gives superior noise control, including inter-tenancy rated systems.
- Excellent substrate for paint and tiles, and a number of abrasion resistant coatings.

