



SHIPLEY HOUSE

■ A SOLAR-PASSIVE, ENERGY-EFFICIENT HOME WITH VERSATILE SPACES

Draped in the scent of eucalyptus, the Blue Mountains is an area of great beauty and extremes of temperature. When a Queensland couple decided to build their dream home on a large bushland block in Blackheath, they wanted to bring the open, breezy Queensland-style they loved with them. The challenge, however, was to adapt their preferred design to a completely different climate that swings wildly from sweltering summer to frosty winter.

The brief was for a solar-passive, energy-efficient home with versatile spaces, and easy access to the outdoors.

The client was also driven by a desire to create a strong connection to the surrounding bush landscape while providing protection from the elements.

The extensive use of glass throughout Shipley House required expert advice, and the team at Taberner Glass was brought in to handle the task. The high levels of insulation and exceptional thermal protection offered by the AWS Thermal Heart range made it the obvious choice. In addition, the clean lines and solid frames, combined with the need for fewer mullions and transoms, beautifully complement the overall design.

AWS | PROJECT FEATURE

and provide uninterrupted views across the glorious landscape. The range also plays an essential role in the successful creation of an energy-efficient dwelling that utilises the benefits of passive solar gain in the freezing winter.

The windows and sliding doors seal exceptionally well – an essential defence against the area's strong winds and cold draughts. The easy-to-clean casement windows also allow for welcome ventilation during warmer weather.

As the Blue Mountains is prone to the threat of bushfire, certification standards demand that windows be rated BAL 40 up to 400mm above ground level. All of the AWS systems chosen meet the region's stringent bushfire certification standards, meaning the architect was able to incorporate dramatic areas of floor-to-ceiling glazing into the design.

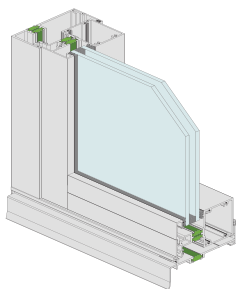
The end result is a home that sits at perfect ease in a striking yet demanding landscape.



Architect: Ingrid Donald Architect. Builder: Warrick Larkin Building & Carpentry. Photographer: Tom Ferguson



For more information and the full gallery, visit:
thermalheart.com.au



■ THERMALHEART™ SERIES 824 FRONTGLAZE™ FRAMING

- × Series 729 hinged door incorporates ThermalHEART™ technology giving a true wide thermal break between the outside and inside faces. WERS (Window Energy Rating System) data shows that using the same IGU in a ThermalHEART™ hinged door is 32% more efficient than a standard non-thermally broken hinged door.
- × A major advantage with ThermalHEART™ hinged doors in cold climates is the reduction in internal condensation. This saves potential damage to timber reveals and floor finishes.
- × ThermalHEART™ is also suitable for hot climates – ThermalHEART™ windows and doors will help to reduce the cooling load on airconditioning units in hot climates.
- × The hinged doors have been tested for compliance with the relevant Australian Standards and achieved a high water resistance of 380Pa for external swing doors and 150Pa water resistance for internal opening doors.



At Taberner's we pride ourselves on supplying high quality, energy efficient aluminium windows and doors as well as a vast range of glazing options and as an Australian Window Association (AWA) member we are bound by rules and regulations that ensure all of our windows and doors meet strict Australian standards. This allows you, the customer, peace of mind that all of our windows and doors will withstand our tough Australian climate. Along with a high commitment to customer service we take real pride in delivering you the best products possible to suit your needs.



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For more information on this and the rest of the ThermalHEART™ range: thermalheart.com.au