



Case Study

Bangalley - Bushfire Safe



Product Range: Bushfire Safe Range

Inspired by its location and dramatic environment, this house is designed to last 100 years

Awards: Brick in Architecture Awards USA 2021 'Best International Winner'

Architect: Casey Brown Architects

Builder: Graybuilt



At the edge of a cliff, this house has to endure storms, salt and bushfires



Challenge

Important to the clients were energy-efficiency, comfort, views and inside-outside living. Some elevations were assessed as BAL-40 while others were rated the highest Bushfire Attack Level Flame Zone that requires tested, approved and compliant BAL-FZ products.

The house consists of staggered and linked pavilions with cantilever terrasses and balconies over 3 levels. Sustainable features were required for this property ensuring longevity and re-usability of materials.





Solution

An arched entrance door leads via a vaulted passage to a double height space revealing its cliff-top aspect with magnificent ocean and beach views.

Fixed windows, tilt & turn windows, and tilt only windows are featured in this build, and a number of lift-slide sliding doors including stacker sliders and corner sliders were used to connect the inside with the outdoors and the views.

BAL-40 and BAL-FZ products were made in FSC certified Manilkara Bidentata and windows and doors are double glazed for energy efficiency and comfort.

