



Case Study

In-Tandem



Product Range: Bushfire Safe

With Passive House principles and BAL-FZ at the forefront of this building, they work in-tandem to achieve a sustainable and protected home.

Architect: Anderson Architecture
Builder: Northcote Constructions



'The BAL-FZ windows and doors ensure protection during bushfires and offer high energy efficiency.'

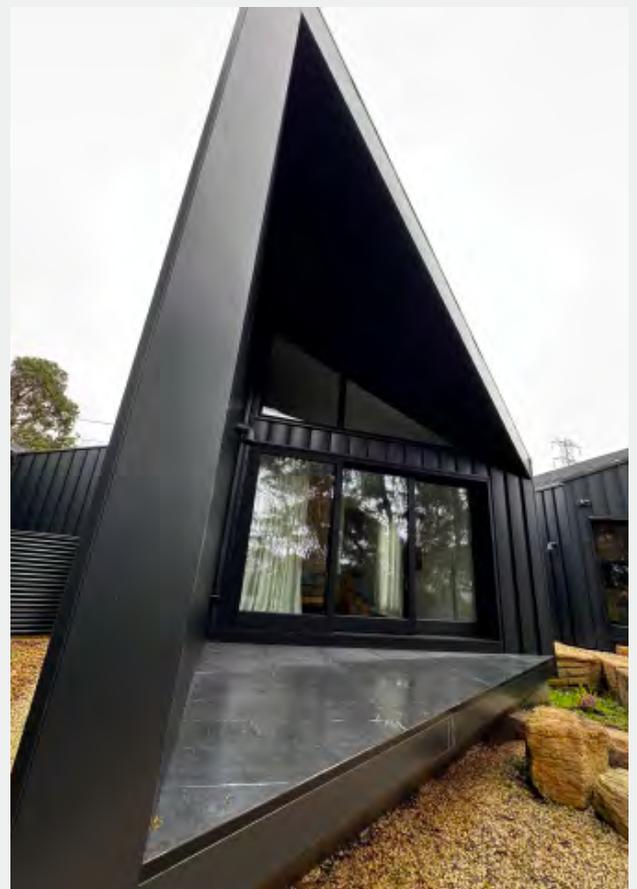


Challenge

The property owners required their holiday home in the mountains to be built to Passive House principals and high sustainability.

Being in a bushfire-prone area of Flame Zone (BAL-FZ) increased the challenge for this build, as no shutters were to be used.

Natural light and ventilation into every room was also a must.





Solution

High-pitched roofs angle away from a courtyard in the middle of the two halves of the building to allow ample light to filter in, so does fixed glazing above lift-slide sliding doors.

Paarhammer's BAL-FZ windows and doors are tested and compliant to all relevant Australian Standards for building in bushfire prone areas, while at the same time offer extremely high energy efficiency. A blower door test confirmed the Passive House principals of very low air-exchange.

Australian Standards met include: AS 1288 / AS2047 / AS1428 / AS3959 / NCC (National Construction Code)

