



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)

