

# Beach Patrol



## THE CASE STUDY

### PROJECT DETAILS

Location  
Dunedin

Project Type  
New home build

Architectural Designer  
Architype Ltd

Builder  
WD Homes

### FEATURED PRODUCTS

• Axon™ Panel

A low-maintenance, energy-efficient dream home designed to achieve NZ Passive House Certification.

### PROJECT OVERVIEW

As seasoned do-it-yourselfers, Dunedin couple Ilona and Mark Weekley felt ready to take on a new build. They'd always worked within existing structures, but this time they wanted to begin with a blank canvas and get exactly what they wanted.

Working with Architype architect Tim Ross, Ilona and Mark designed a 235m<sup>2</sup> two-storey home with four bedrooms and floor-to-ceiling windows on a steep site above St Clair Beach. While this kind of site comes with extra challenges, the benefits are obvious.

"We have expansive sea views of the rugged Otago coastline from St Clair to Sandfly Bay, along with the city and the harbour," says Ilona. "We also wanted a

warm, healthy home for our family that was energy efficient and had a low carbon footprint."

Guided by their architect, the Weekleys chose Axon™ Panel by James Hardie as the primary cladding for their home. A key reason was Axon™ Panel's ability to withstand coastal Otago's extreme weather conditions. Another plus for Axon™ Panel was its compatibility with dark paint colours. While black or near-black paint can shorten the lifespan of some claddings, due to warping and cracking, it has no detrimental effect on Axon™ Panel. The Weekleys also wanted a home that looked sleek and modern, an aesthetic that's easy to achieve with vertical Axon™ Panel.

"The house is so easy to live in. In winter we don't worry about the house being cold when we get home from work or about the heating bills."





### AXON™ PANEL

Easy to install, robust and versatile, Axon™ Panel delivers the look of vertical shiplap weatherboards. Manufactured from fibre cement, Axon™ Panel can be painted in dark colours.



Painted in Resene Double Foundry, a deep charcoal colour, Axon™ Panel is a practical alternative to traditional vertical shiplap weatherboards. As well as giving the home a contemporary vibe, Axon™ Panel's vertical lines add texture and interest to outdoor living areas.

Sheltered outdoor living is a special feature of this home. The Weekley family get to enjoy outdoor living year-round, despite Dunedin's notoriously fickle weather. An outdoor fire and seating area is positioned at the front of the house – the sunniest spot. There's also a downstairs courtyard, which is a sheltered area under the cantilevered part of the house - ideal for rainy days. The crowning glory is a 40m<sup>2</sup> balcony with glass balustrade, which is an extension of the open-plan interior living space.

"It's the perfect place to sit with a coffee or a wine, watch the magnificent sunrises and sunsets, listen to the waves crashing or relax in the summer sun," says Ilona.

To achieve Passive House Certification, this new build had to meet a defined standard and quality management system. The choice of Axon™ Panel for the exterior layer of the building's thermal envelope helped the architect to achieve the insulation levels required to meet the standard.

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