



WHERE EAGLES DARE

HANLONS USE VANTAGE WINDOWS AND DOORS IN MOUNTAIN RETREAT MAXIMISING VIEWS AND ENERGY EFFICIENCY IN AN EAGLE INSPIRED DWELLING



This spectacular home, perched on a steep escarpment near the township of Berry, takes its inspiration from the mountainous terrain by which it is surrounded.

Energy efficiency, environmental sustainability and view maximisation were high priorities for the project, and it certainly delivers the 'wow' factor. Christened 'Karinya' the dramatic escarpment that enfolds this residential property presented a number of challenges for Colin Irwin of BHI Architects, and builder, Jamie Strong of Strongbuild.

The home is constructed on a strong wall, fashioned like wings, that forms its spine. This allowed the rooms to be staggered vertically, maximising the sunlight, breeze and views. "I wanted to give the appearance of the building being launched off the steep hillside, like an eagle about to take flight," says Colin Irwin.

"The eagle theme carries through with the lightweight, corrugated steel roof, the line of which is upturned to echo the eagle taking flight."

Glass has been used extensively throughout the project. Fabricator, Hanlon Windows, one of Australia's leading manufacturers of quality aluminium windows and doors, recommended the Vantage range of products. The Vantage products have a very high wind and water rating, which was ideal considering the property's exposed location.

Strong and durable Vantage Series 525 Louvre Windows were installed across most of the home to allow fresh air to flow throughout, to reduce the need to consume electricity through unsustainable heating and cooling methods, and to give the owner complete control over the sun in



Series 542 DStacker™ with Series 525 LouvreMASTER™

Vantage Series 542 DStacker™ Sliding Doors

- High water resistance of 300Pa allows these doors to be installed into most residential projects.
- Can be fabricated as 'XXF', 'FXX', 'FXXXXF', 'XF', 'FX', 'FXF', 'XFF', 'FFX' and 'FXXF'.
- Flat external fillers creates a clean closed-off frame appearance. On the sill, the infills guide water away from the door panels and improve water resistance.
- Unused internal and external frame recesses are closed with snap-in flat fillers for improved appearance.
- Heavy door panels can be fitted with double bogey wheels for smooth long-term operation. Running rails can be replaced in the future if necessary.

the building's heavily-glassed areas. The combination of Viridian Comfort Plus glass and Vantage products met both the owner's and BASIX' environmental criteria in a cost-efficient and pleasingly aesthetic manner.

With its own underground water tanks - a grey water system which collects, treats and pumps water back to the home for reuse in the toilets and laundry - this house takes sustainability to the next level. To further boost its energy-efficiency rating, allowances were also made for the addition of solar panels.

Large Vantage Series 542 D-Stacking doors were used to maximise the magnificent aspect of the mountains and enhance the inside entertaining

environment. Other Vantage products used included Series 548 Hinged Doors. According to the owner, "Our new home is exactly what we were hoping for. It combines all the elements that are important to us. The architects careful use of the large glass sliding doors and louvre windows gives the building a very open feel, effectively bringing the outside surroundings into every room and a creating a lovely airy environment. Energy efficiency was a high priority for us and I feel that the use of Low E glass has created a very comfortable internal living space without compromising on the views."



Series 542 DStacker™ with 525 LouvreMASTER™



Hanlon Windows (Aust) are one of 150 licensed manufacturers of Vantage and Elevate™ products around Australia. The business is 100% Australian owned and operated and has been a leading manufacturer of aluminium windows and doors for over 30 years. Hanlon Windows realise the importance of quality and customer service and can manage the selection, supply and servicing of Australia's leading window and door systems for your project.



Series 525 LouvreMASTER™



NEED MORE INFORMATION?

For the latest technical information regarding the Series 542 DStacker™ or other Vantage products, visit our website: www.vantagealuminium.com.au



2D & 3D CAD FILES AVAILABLE

Download the Vantage Series 542 DStacker™ CAD & Revit 3D Files to use in your projects from the SpecifyAWS Website: www.specifyaws.com.au



ARCHITECTURAL WINDOW SYSTEMS

76-78 JEDDA RD, PRESTONS, NSW 2170
 P: 02 8783 7611 | F: 02 8783 7633
WWW.AVSAUSTRALIA.COM.AU
TECHSUPPORT@AWSAUSTRALIA.COM.AU