

Avalanche Road, Portland

Project reference
New build

Building type:

New build development with 10 properties

Requirement:

Heating and hot water

Technology used:

35kW ecoTEC exclusive with Green iQ

Client:

Betterment Properties

The Challenge

South-west property developer, Betterment Properties needed to find an alternative solution for their new build site, having previously used system boilers with stored hot water, as well as solar PV roof panels to supply heating and hot water.

Betterment Properties turned to Vaillant who were able to offer a high performance and cost effective alternative which would still meet the SAP energy efficiency design requirements.

The Solution

With a best in class seasonal efficiency and an even more impressive flow rate of up to 17.8 litres* for the domestic hot water, the ecoTEC exclusive with Green iQ allows properties to exceed the NHBC guidelines without the need for stored hot water and PV panels. In addition, the ecoTEC exclusive range comes complete with our Green iQ stamp of approval, meeting our rigorous manufacturing environmental standards as well as giving an outstanding environmental performance for the customer.

Whilst the Betterment Properties site runs its boilers via the gas grid, the ecoTEC exclusive can also run on LPG, offering flexibility for new build developers with sites on and off the main gas grid. Residents also benefit from lower heating bills thanks to an extra condense heat exchanger that offers built-in heat recovery to provide the highest levels of efficiency. The high modulation ratio enables the boilers to modulate down to 4kWh, ensuring only the necessary amount of gas is used to heat the home.

Project background

- New build housing
- 2 - 4 bedroom properties
- Premium finishes with high quality fixtures and fittings

The energy concept

- ecoTEC exclusive with green iQ
- Wide modulation of up to 1:10 adapting perfectly to all systems in every situation
- ecoTEC exclusive 835 PCDB Number = 17953
- ecoTEC exclusive 843 PCDB Number = 17954



Comfort for your home

The ecoTEC exclusive combination boiler range is available in 35kW and 43kW outputs to suit a variety of house types. The 43kW model can deliver in excess of 17.8 litres of domestic hot water (DHW) per minute which will comfortably supply a property with a main bathroom and an en-suite.

The outcome

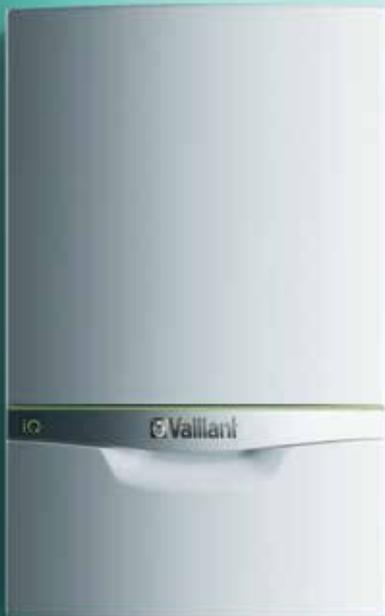
Dorset-based Betterment Properties achieved a saving of around £2,500 per plot by specifying Vaillant's ecoTEC exclusive with Green iQ combination boilers. Overall, saving approximately £750,000 on this project thanks to the innovative and highly efficient boiler technology.

Why Vaillant?

Joe Saunders, commercial director at Betterment Properties comments:

"Our core business is high quality 2-4 bedroom housing on highly desirable sites within the Dorset area, therefore our customers expect their properties to be finished to a premium standard using high quality fixtures and fittings. Increasingly, as people become more conscious of energy efficiency, we are seeing more demand for high-tech heating products that offer superior levels of comfort and energy savings.

"Thanks to Vaillant's Green iQ solution, we were able to achieve SAP compliance and make substantial cost savings, whilst giving our customers an incredibly user-friendly and efficient heating system."



Heating Hot water Renewables

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