



RENEWABLE SOLUTION PROVIDED

Ecodan air source heat pumps work with underfloor heating throughout the properties to provide reliable, low-cost, renewable heating.

Community Regeneration Meets Code Level 4

When Southampton Council was looking at a £15m regeneration of the Thornhill area of the city, they wanted a housebuilder able to provide a sustainable scheme that would put the community at the heart of the development.

The result is Hinkler Place, a scheme made up of a mix of social and private housing, 30% of which are designed to help meet Southampton City Council's Family Homes Policy.

Barratt Homes worked with residents and the community association to ensure that Hinkler Place emerged as a model of sustainable modern living.

"In developing Hinkler Place, we wanted a long-term community-based solution and chose a renewable technology that we were confident could stand the test of time."

Barratt Homes Sales Director, Sarah Eales



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ecodan[®]
Renewable Heating Technology

Heating

Case Study

Hinkler Place 2012

Making a
World of
Difference



Installation Summary

Application Type

Mixed development of 106 one and two bedroom apartments and two and three bedroom starter homes.

Product

106 x Ecodan air source heat pumps, working in conjunction with 424 PV modules.

System Capacity

54 x 5kW and 52 x 8.5kW Ecodan units working with 180 and 210 litre cylinders.

Delivery System

Ecodan air source heat pumps work with underfloor heating throughout the properties to provide reliable, low-cost, renewable heating.

Combined Package

The benefit of purchasing a combined air source heat pump & cylinder from one manufacturer is that all components are factory fitted, tested and optimised for best performance.

The properties are managed by First Wessex Housing Association and include a mixture of apartments, houses, retail units and a community centre.

All are heated using Mitsubishi Electric's Ecodan air source heat pumps and packaged cylinder systems.

The homes meet Level 4 of the Code for Sustainable Homes, which is above current sustainability requirements for new properties and reflects the desire of Southampton Council, the Housing Association and Barratt Homes to be forward thinking. The development has a minimal impact on the environment and also helps the home owners with reduced energy bills.

Ecodan is currently the only air source heat pump to have received the backing of the noise abatement society with its prestigious Quiet Mark Award. The full range is available to suit properties from a 2 bedroom apartment right up to multiple dwelling communities.

The Ecodan units were installed by leading South Coast mechanical services company HBS Group Southern Ltd, a Mitsubishi Electric Domestic Heating Solutions Partner, which enables them to offer an extended 5 year warranty.

Using air source heat pumps means the development could be eligible for the Government's Renewable Heat Incentive (RHI), as they are classed as renewable by both the UK and EU Governments. Ecodans harvest free heat from the outdoor air and upgrade it to provide hot water and heating. On average, they can deliver 3kW* of heat energy for every 1kW of electricity they consume.

"Meeting Code Level 4 was essential and installing Ecodan has helped us achieve that" explained Sarah Eales, Barratt Homes Sales Director.

* As tested to BS EN14511 Part 3. Based upon standard test conditions. Due to the method of operation, the performance of heat pumps will vary based upon the temperature of the heat source and the requirements of the heat delivered.



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Certificate Number: MCS HP0002
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PUHZ-W80VHA2-(BS)
PUHZ-HW140VHA2/YHA2-(BS)



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