

Case Study



"The main component of all our projects is quality. I see no reason to compromise that just because these homes are extraordinarily energy efficient"

Richard Wilson - Concept Design & Build

New Build The Old School Yard, Ripponden Concept Design and Build

The Project

Built on the site formerly occupied by the Stones Methodist Church School in Ripponden West Yorkshire the four houses have been built to exceed the building regulations up to the year 2016.

Constructed from SIPs, an enhanced timber frame system, the homes have Argon Gas filled double glazing, a heat recovery system, a Green Power air source heat pump supplying additional heat through underfloor heating and many other features. Known as 40% houses, these homes built in a small town in West Yorkshire represent the eco-home of the future.

The Installation

With every aspect of the build being environmentally conscious a Green Power air source heat pump, using renewable energy and offering low carbon emissions, was the obvious choice for domestic hot water and top up heating. Green Power 6kW units have been installed in each of the four homes and integrated with an underfloor heating system through out the ground floor.



Technical Information

Property

4 x 4 bedroom semi-detached homes

System

BWarm 6kW Air Source Heat Pumps

Additional installations

Argon Gas double glazing
Heat recovery system
Home construction SIPs enhanced timber frame system

Heat Collection

Air source heat pumps

Heat Distribution

Underfloor heating

Annual expected savings

Approximately 70% compared to an all electric system



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