

Adaptation

Sustainable Construction – Redrow Homes – Debut, Rugby

Overview

Objective:

1. Reduce the amount of waste produced in both product design and site management
2. Reduce energy and water use from activities
3. Work with sub contractors and suppliers to ensure they comply with Redrow policies and help reduce their impact on the environment
4. Reduce the environmental impact of Redrow homes through-out their design, construction, use and final disposal

Main Partners: Redrow Housing, Rugby Borough Council

Audience: First time home buyers

Rationale: Deputy Prime Minister John Prescott challenged developers to build high quality new homes for less than £60,000 excluding the cost of the land and professional fees, Redrow decided to under take this challenge.

Web Link: <http://www.debutbyredrow.co.uk>

Description of project

The Debut Scheme, Rugby, provides affordable housing in an attempt to help people gain a foot hold on the housing ladder. It demonstrates that affordable housing can be built to a quality standard using sustainable construction methods and be energy and resource efficient.



Throughout the construction of this scheme Redrow used a number of sustainable construction methods, building the housing using light weight steel frames.

These frames use approximately 48% recycled material and are a 100% recyclable.

Cycle storage facilities have been provided around the site to discourage the reliance on the private car.

Home working is encouraged by the provision of internet access in each home with sufficient power points and space for work stations.

The use of off site manufacturing techniques has resulted in reduced deliveries to the site and thus reduced energy consumption and associated emissions.

This scheme has been an example of what can be achieved, with Willans Green Debut scheme, Rugby being the first site using these techniques, similar schemes are now being rolled out by Redrow housing such as Tuttle hill, Nuneaton. Willans Green site also was 2006 UK Eco Homes winner in the BREEAM awards.