



Environmentally friendly self-build residential project - Foxfield, Crammond Road North, Edinburgh

Project Brief

Mr and Mrs Taylor wanted to replace their 1950's bungalow with a 500m² environmentally friendly home full of light open spaces, combining an indoor/outdoor lifestyle with a contemporary design that would nevertheless pay lip-service to the look of the more traditional builds in the area.

The original house was poorly insulated and also faced the wrong way, so replacing rather than renovating was the preferable option. Planning permission was straightforward, as the new build was a one for one replacement.

The clients were able to live on site, and manage the project themselves, a great advantage as the architect responsible for the design was based in Australia.



Project Type/Application

The architect chose SIPs Industries panels as the basis of the design, primarily because of the flexibility of design afforded by the system, as well as the low wastage and superior insulating properties.

Another attraction was that, once completed, the SIPs house would look indistinguishable from a house built by any other method. The house used 167mm panels for both the walls and the roof, utilising the fact that the roof panels do not require trusses or any other support that reduces space.

In addition, by using SIPs Industries panels, the clients were able to achieve an airtight structure, eliminating unwanted draughts and allowing them to control their environment by means of a ventilation system.





Outcome/Result/Success Factors

Utilising SIPs Industries technology allowed the client to combine high levels of insulation with spacious living, resulting in an airy, generous home with reduced long term living costs.

The speed with which the SIPs kit was completed allowed the clients to move on to the first fix while the external cladding was being erected, reducing delays in site time, and helping the project to finish on time and within the budget.

The completed house is a testament to the clients' eco-friendly values. Heating is provided via a ground source heat pump, and the adjoining conservatory incorporates photovoltaic cells in the double height glazed ceiling to convert the sun's rays into electricity which is sold to the grid.

SIPs Industries panels high levels of insulation have helped reduce heating costs while at the same time providing the light, spacious home that the clients wanted.



Crossway
Donibristle Industrial Estate
Dalgety Bay
Fife
KY11 9JE

Charles Stewart
0795 7863255
charles@sipsindustries.com
www.sipsindustries.com