



“I look forward to working with the future Tech team again in the near future”

Mr Campbell December 2010

Future Tech Construct a Family Home in Reading

Mr Campbell invited Jason & the team to Reading to build a new home, little did we know it would turn out to be a race against time and the weather!



The team arrive on a cold Monday morning, three weeks before Christmas. The sub zero temperatures and driving rain would normally have put a stop to most construction projects, but the panelized nature of SIP's means they can be installed in almost any conditions.

As with all SIP's buildings the first stage of the process was to ensure the sole plate, on which the building would stand, was level and matched the dimensions of the pre-fabricated panels.

Once the uniformity of the sole plate had been established. Scaffolding was erected to allow the team to work freely around the building.

The ground floor wall panels could be prepared for installation and then lifted into position. They were joined using mastic sealant and foam to create an airtight seal.

Once the ground floor panels had been brought into position and joined together, the team could begin to fit the first floor joists. The completion of the floor marked day 5 of the build.



With only 10 working days left until Christmas our client, Mr Campbell, expressed his desire to have a water tight structure in place by the 25th. This meant the team would have to work fast to complete the structure in a short time period.



FUTURE-TECH

DEVELOPMENTS LTD

Day 6 & 7 saw the installation of the first floor walls. The panels were craned into position and joined together.



Once the walls were upright and sealed together the team could install the joists that would become the second floor of the house.

The process of installing the second storey floor took a further 2 days.

The construction of the roof structure could then begin. The roof of the building was built using prefabricated Glulam Beams and SIP panels. Given the complexity of this aspect of the build, it took the team 2 days to install the roof structure.

The SIP panels that would form the roof were then brought in. The use of SIP's in this instance allowed Mr Campbell to maximize the space in the 2nd floor eaves while upholding the buildings heat retention properties.



This left Jason & the team just 2 days to wrap the building in Nilvent breathable membrane and deal with any snagging.

Making the structure water tight on Christmas eve

As we are sure you will remember a massive snow fall left the roads in chaos, Jason & the team were stranded with no way to get home to their families in Gloucestershire.



As Jason and the team had worked until Christmas eve on Mr Campbell's request he very kindly offered to put every one up over night. So our thanks to you Mr Campbell for looking after us so well!

With the structure built and waterproofed Jason & the team could go home for Christmas in the knowledge of a job well done.



For a final finish Mr Campbells home was clad with bricks, on the out side, and luxury interior finish.



To highlight the relative advantages of the SIP's system. We would like you to note that the day we arrived at Mr Campbells work also started on a building next door. After the three weeks, when the SIP's structure was up and water proof. The bricks and mortar building next door had not passed the ground floor in height.

One of the main advantages of using SIP's is the speed at which a water tight structure can be erected. This allows the construction process to be sped up because follow on trades (plasterers & electricians) can get to work in a dry environment. In addition while the electrics and plaster work is being done on the inside the exterior of the building can be given its final finish wheter that be brick or block work, stone, tiling or render.

Here's what Mr Cambell had to say about his Future tech project.

“We embarked on the construction of our SIP house near Reading in early December 2010, just as the snow arrived, and were concerned how the adverse conditions would impact our tight build schedule. The Future-Tech team worked through the snow and ice, and subsequent muddy thaw to building the main structure, keeping precisely to the original plan. They worked around our limited loading and storage space to get the job done, maintaining a positive attitude while operating at with the highest standards of safety and professionalism. I look forward to working with Future-Tech again in the near future, and would recommend their services to developers of SIP houses.”