



Innovative and sustainable TESCO Eco Store at Navan Road in Dublin that meets strict green credentials

Project Brief

Tesco Ireland with Precision Construction appointed SIPFIT to design, manufacture, supply and install an innovative and sustainable SIP-based cladding solution that not only met the strict Green credentials required by Tesco but was also competitively priced and would eliminate the amount of time on site to meet strict deadlines.

Project Type/Application

The SIPFIT team, working collaboratively with the larger project team were able to develop a new product application and simultaneously value engineer out several costs associated with difficult construction challenges relating to the project.

SIPFIT panels were finished with treated Siberian Larch from FSC managed forests all applied in factory conditions and supplied to site in sections approximately 7550mm x 1220mm. These were fitted using a concise approach on a very unyielding site where space was at a premium.

The contract consisted of approximately 1500 sq metres of SIP cladded wall area, Larch Louvre screens to the plant areas along with Larch finished fascia and soffit all pre-manufactured to improve quality control and to eliminate:

- Time on Site
- Waste on Site
- Time working at heights
- Possibility of accidents occurring
- Defects



Outcome/Result/Success Factors

The SIPFIT tailor-made solution meant that all project goals were exceeded.

The overall result was a complete off-site manufactured cladding solution achieving an overall U-Value of 0.17W/m²/K, well in excess of the building norm.

The SIP element of the build saved four weeks on an already tight programme.

The main contractor, Precision Construction, was delighted and has scored SIPFITs performance as outstanding.

Tesco are delighted and are now going to measure the stores performance for operational carbon savings based on the sustainable low energy SIPFIT shell.

The store opened in November 2011 and is expected to be a new benchmark in low energy sustainable stores for the company.



1 Milltown Industrial Estate
Upper Dromore Road
Warrenpoint
BT34 3PN

Eamonn Connolly
028 417 59310
eamonn.connolly@sipfit.co.uk
www.sipfit.co.uk