



www.ecohouse.ie

Manufacturers of Ecohouse
Building systems



Ecohouse Developments LTD registered in Ireland
Unit 518A, Grants Crescent, Greenogue Business Park,
Ratchoole, Co.Dublin D24D63
Tel:0-14016602 | Email: info@ecohouse.ie
VAT: IE3404208GH | CRO: 569973

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Ecohouse group was established in 2015 and operates in EU and UK employing 120 people

Benefits of ECOHOUSE building system

- Complies with both Passive and NZEB standards.
- CE approved.
- Only GLULAM timbers are used in the makeup of the post and beam construction used throughout the whole frame.
- Thermal bridging free construction.
- Only EPS and XPS rigid insulation are used in all external and internal walls, which negates sagging that can occur in some batt insulation applications.
- Built to a passive house standard
- Exceeds building regulations
- Lifetime structures
- Cost effective
- Environmentally friendly

70 PERCENT FINISHED HOUSE INCLUDES:

- 1) Sip Passive House structure (external walls, internal walls, sip roof) Walls U-Value 0.14
Roof U-Value 0.13
- 2) Triple glazed external windows and doors in upvc.
- 3) Factory fitted plasterboard with 60mm high density insulation ready for skimming.
- 4) Factory fitted electrical conduit with pre-fixed socket locations ready for 1st fix.
- 5) External walls come fitted with 12mm fiber cement board ready for render, brick slip, stone clad or timber cladding.

NO NEED FOR EXTERNAL BLOCK LEAF.

ECOHOUSE Building systems specification

SIP Roof System To Consist of the Following:

- 12mm Cement Fibreboard
- 200mm EPS Insulation
- 12mm OSB Board
- 60mm High Density Insulation
- 12mm Bonded Plaster Board

Typical Glu Lam Top Plate Integrated Into the SIP System

Intermediate Floors To Consist of:

- Timber I Beams by Engineers specs
- Proprietary Joist Hangers Secured to Post & Beam Structure
- Insulated Cavity Between Joists
- 25mm OSB T&G

Typical Glu Lam Lintel Integrated Into the SIP System

SIP Wall System To Consist of the Following:

- 12mm Cement Fibre Board
- 150mm EPS Insulation
- 12mm OSB Board
- 60mm High Density Insulation
- 12mm Bonded Plaster Board

Typical Glu Lam Sole Plate Integrated Into the SIP System



Completed ECOHOUSE Projects



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