



GreenTec

Eco Homes



GREENTEC ECO HOMES LTD

specialise in the
building of Eco and
Passive Homes certified
to the highest standards.



BUILDING WITH NATURE



ECO & PASSIVE HOUSE BUILDERS



Eco & Passive House Building

Energy Efficiency has become increasingly important in today's world and it is our responsibility to respect the environment in every way possible. The construction industry must take into consideration its impact on the environment.

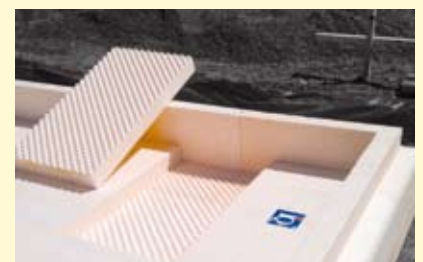
GreenTec Eco Homes provide an environmentally friendly route to quality green homes.



Insulated Foundations

An insulated foundation system is one, which eliminates all cold bridging and can offer floor u-values as low as $0.08\text{w/m}^2\text{k}$.

GreenTec Eco Homes are fully trained in installing three systems of insulated foundations which include; Supergrund, Viking House and Isoquick foundation methods. All systems can be designed to accommodate any individual wall build-ups.





Insulation & Air Tightness

GreenTec Eco Homes use many different insulation products. Our main aim is to promote natural materials such as Hemp, Cellulose, Sheeps Wool, Woodfibre and Hemp & Flax Wool insulation. By using these ecological and sustainable products your home will feel healthy and comfortable.

Air tightness is essential in a home in order to maximize the performance of the thermal insulation. To attain air tightness an airtight membrane is installed throughout the entire envelope of the building. The function of the airtight membrane is to prevent heat loss and save energy in the building.



Timber Frame

The use of a timber frame structure provides the highest standard of air tightness and insulation. Using various techniques and breathable wall build-ups we can achieve u-values as low as $0.10\text{w/m}^2\text{k}$. A Condensation Risk Analysis Report is carried out on all our Timber Frames to ensure a safe breathable structure.

GreenTec Eco Homes can also achieve a u-value as low as $0.10\text{w/m}^2\text{k}$ by using block methods of construction.





Testimonials

"Niall is one of those few genuinely green builders in Ireland who take the extra effort to understand the impact of what their building and how to do it better every time. From what I can see a client wanting to build in the west of Ireland couldn't want for a better team than an environmentally-focused architect and GreenTec Eco Homes as their builder."

Joseph Little, Architect and Environmental Consultant, Dublin

"I have been doing business with Niall over the past couple of years and have found him to be a most professional, conscientious and personable individual. I would have no hesitation in recommending Niall to any individual or company considering doing business with him."

Shane Nash, Chartered Quantity Surveyor, SN Associates, Galway

Services include:

- Passive House Building
- Passive Foundation Systems
- Low Carbon Natural Homes
- Advanced Air-Tight Timber Frames
- Ecological Building Products
- Condensation Risk Analysis
- Natural Insulation Products



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