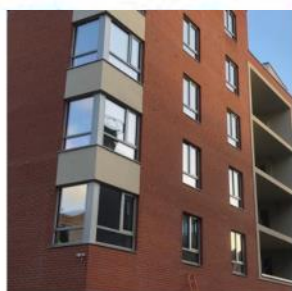


thermohouse

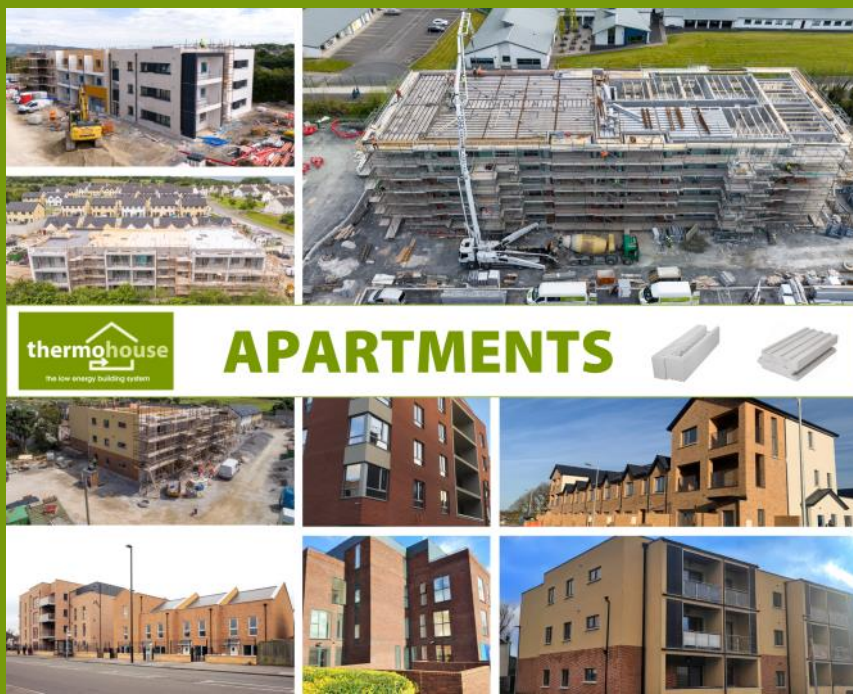
the low energy building system

Development Brochure



+353 (0) 64 6631307
www.thermohouse.ie

Manufactured in Ireland



**SUPPLY &
INSTALL SERVICE
NATIONWIDE**

**MANY
SUCCESSFUL
DEVELOPMENTS**

The Developer's Perspective: Maximizing ROI and Addressing Housing Challenges

For housing developers, the Thermohouse ICF system presents several key advantages that directly impact the profitability and feasibility of apartment projects.

Accelerated Construction Timelines ✓

One of the most significant advantages of the Thermohouse system is its ability to expedite construction timelines. The modular nature of the ICF forms allows for rapid assembly, significantly reducing the time required to build a multi-storey apartment complex. This acceleration in the construction process not only reduces labour costs but also allows developers to bring projects to market faster, enabling quicker returns on investment.

Furthermore, the simplicity of the Thermohouse system reduces the likelihood of construction errors, which can often lead to costly delays and repairs. By streamlining the construction process, developers can maintain tighter control over project budgets and timelines, ultimately enhancing the profitability of their investments.

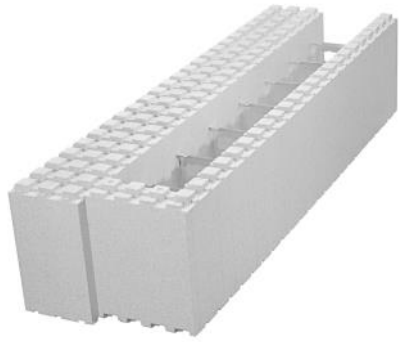
High Return on Investment (ROI) ✓

The Thermohouse Building System offers long-term value for Houses, Apartments & Duplexes, both in terms of energy savings and structural durability. The superior insulation and airtightness of the ICF system result in lower energy costs for residents, which can be a significant selling point in a market that is increasingly focused on sustainability. This, in turn, enhances the marketability of these residential units. Additionally, the durability of completed Thermohouse buildings ensures that maintenance costs are kept to a minimum. The concrete core of the ICF system is resistant to issues like mould, rot, and pests, which are common in some other buildings. This durability translates into fewer repairs and lower long-term maintenance costs, further boosting the overall ROI for developers.

Solving the Housing needs in Ireland through Increased housing density ✓

Ireland's housing needs are particularly acute in urban centres, where the demand for housing far outstrips supply. One of the most effective ways to address this issue is by increasing housing density—building upwards to create more homes on the same footprint of land. The Thermohouse ICF system is ideally suited to this approach, as it allows for the construction of tall, multi-storey apartment buildings (up to 6 storeys) that can accommodate more residents within a smaller area.

The strength and stability of the ICF system make it possible to build higher without compromising on safety or comfort. Thermohouse buildings are designed to meet and exceed Ireland's rigorous building regulations, ensuring that they can withstand the challenges posed by both time and the elements. By enabling the construction of taller apartment buildings, the Thermohouse system plays a crucial role in alleviating the housing shortage in Ireland's most densely populated areas.



ThermoWall



ThermoFloor



ThermoRoof



ThermoBoard

thermohouse

OUR CERTIFICATION



32 Unit Apartment Block



Rapid
Build



Exceeds
nZEB



60 Year
Guarantee

At Thermohouse, we model, manufacture, supply and build a complete energy efficient building system. Delivering high performance, future-proof housing developments across Ireland and the UK.

View our Thermohouse module explainer videos here:





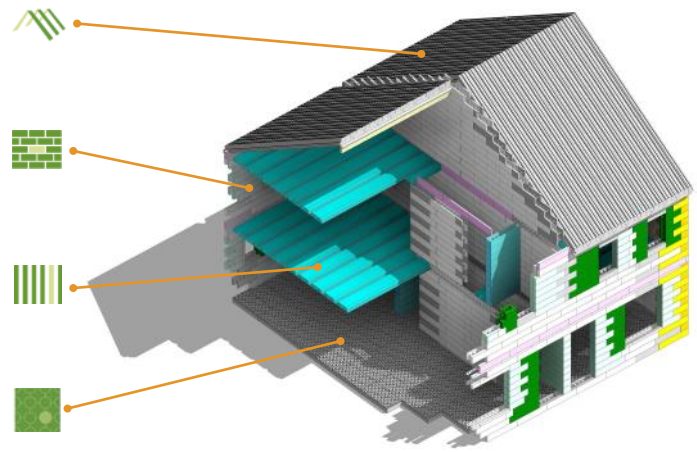
Block of 2 (2 storey houses)

Our walls, floor and roof components can be used individually, or combined to form an **airtight thermal envelope**.

The full system forms a monolithic **concrete structure, fully wrapped in insulation**, which is extremely airtight and free from any cold bridging.

These eco buildings can be **designed and finished to any desired aesthetic**. Curved or rectangular, timber cladding or brick – Whatever you imagine your dream home to be, with Thermohouse it is achievable.

What is the Thermohouse System?



thermowall



thermofloor



thermorooft



thermoboard

Innovative All-in-one Building System – Walls, floors & roof

Rapid Build – Up to 60% faster than traditional methods

Strong and safe home – 60-year system warranty

Energy Efficiency – Significantly lower energy bills

Why Thermohouse?



Energy Efficiency



Comfort & Warmth



Sound Insulation



Speed of Build



Airtightness



Superior Structures



Design Flexibility



Easy to Transport &
Assemble

Where does the production take place?

The entire Thermohouse building system is produced our state of the art manufacturing facility in Killarney, Ireland, V93 XK82.





Thermohouse manufacture each element of our building system to ensure a high-quality standard is guaranteed. This ensures that we have full traceability on our products. Each element is rigorously tested and endorsed by the relevant certifying bodies.



32 Apartments





65 Unit Residential Development & 18 Apartments



Building Type:	65 Unit Residential Development & 18 apartments
Average House Size:	1,000 ft ²
System Components:	 thermowall  thermoboard  thermorooft  thermofloor

54 unit residential development & 28 Apartments (3 storeys) & 16 Bungalows



Building Type:	54 Unit Residential Development
Average House Size:	1345 ft ²
System Components:	 thermowall  thermoboard  thermorooft  thermofloor

63 Apartments (4 storeys)



2 Apartment blocks:	
Building Type:	3.100 m ² 4 storey Apartment Block No. 1 3.100 m ² 4 storey Apartment Block No. 2
Size:	BLOCK 1: 31 Apartments – Average apartment size is 78 m ² BLOCK 2: 32 Apartments – Average apartment size is 78 m ²
System Components:	 thermowall  thermorof  thermofloor

Block of 2 and block of 3 (2 storey houses)



Building Type:	2 storey houses
Size:	1,250ft ² per house
System Components:	 thermowall  thermorof  thermofloor



29 Apartment development.



Terrace of 4 houses & 4 storey apartment block + basement



18 Unit Housing Development (Phase 1)



Housing Development: 6 no. 3 Storey Houses

How the Thermohouse System can help you?



BREEAM:

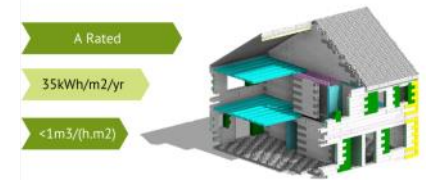
Thermohouse ICF helps achieve BREEAM credits with superior energy efficiency and airtightness. Its sustainable design supports key categories like Energy, Materials, and Wellbeing—ideal for modern housing developments.

LEED:

Thermohouse ICF enhances LEED scores by reducing energy demand and improving thermal performance. Durable, eco-friendly materials contribute to Energy, Atmosphere, and Materials credits for greener homes.

P.I Insurance, Collateral Warranties & Certification:

With the supply & install service, Thermohouse provides Professional Indemnity Insurance; Ancillary Certification and Collateral Warranties, providing peace of mind for developers and clients. Comprehensive insurance certification ensures quality assurance and protection throughout your housing project.



Thermohouse have an in house technical and design office with industry professionals such as Structural Engineers, CAD Technicians & Estimators to assist with your project.

The U-values achieved by the Thermohouse system:

Component	Part L Requirement	Thermohouse Range
Walls	0.18 W/m2K	0.15 – 0.10 W/m2K
Ground Floor	0.18 W/m2K	0.18 – 0.12 W/m2K
Roof	0.16 W/m2K	0.15 W/m2K
Airtightness	<5 m3/hr/m2	<1 m3/hr/m2

Independent certification is supplied for all Thermohouse products



**CONTACT
US
TODAY!**

Request a call back & free quote: +353 (0) 64 663 1307

If you've got any questions about our low energy building system, we would be delighted to hear from you. We will offer a no obligation consultation and prepare a quotation for you free of charge. One of our friendly team will be in touch with you soon to see how we may support & guide you with your project.



WWW.THERMOHOUSE.IE

