

This certificate is valid for Building Regulations & associated technical guidance in force on the date of registration and for the regulations in the countries indicated

Thermohouse Ltd Insulated Concrete Formwork Building System

Description of Product

Thermohouse Ltd Insulated Concrete Formwork Building System is an Insulating Concrete Formwork Building System consisting of the Thermohouse wall elements (above and below ground), floor and roof panels. The wall elements and floor panels are applied as formwork for plain or reinforced cast in-situ concrete.



Key Factors Assessed

- Mechanical Resistance & Stability
- Safety in case of Fire
- Health, Hygiene and Environmental
- Safety in Use
- Protection against noise
- Energy Economy and heat retention
- Durability serviceability and identification

Validity

This certificate was first issued on 9th February 2012 and is valid until 9th February 2021

Issue Dated 6th February 2018

Scope of Registration

The Thermo House Roofing and Floor System, consists of a composite steel cold-formed c-channel and interlocking expanded polystyrene (EPS) panels. The composite panels provide insulation and structural support for conventional slate and tiled roofing systems. The internal finishes to the composite panels can either take the form of a NSAI Agrément approved internal plaster for use with ICF (Insulating Concrete Formwork) systems or plasterboard slabs nail or screw fixed to timber battens which, in turn, are fixed to the bottom flange of the c-channels. This Certificate certifies compliance with the requirements of the Building Regulations 1997 to 2009.

Conditions of Certificate

Restricted to 6 Storeys

Thermo House roof panels not assessed for use as integral members in either trusses or framed roof design

This Certificate does not include the Thermo floor product

Continuity of insulation at junctions and thermal bridging should be checked for each individual project

Part E compliance including sound testing should be checked for each individual project since there are no Robust Details or Part E wall types for this product.

LABC consider that, Thermohouse Ltd Insulated Concrete Formwork Building System, will meet the functional requirements of the Building Regulations (listed below) if the criteria detailed in this certificate are met;



The Building Regulations 2010 (as amended) England & Wales

Regulation 7	Materials and workmanship
Note:	The product is acceptable.
AD A	Structure
Note:	Relates to A1 and A3 only
AD B	Fire Safety
Note:	Relates to B1 (dwellings), B2 and B3 (section 4)
AD C	Site Preparation and Resistance to Ground Moisture
Note:	The product satisfies the requirement
AD L2	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the building.



The Building Regulations 2010 (as amended) England

AD L1	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the building.



The Building Regulations 2010 (as amended) Wales

AD L1	Conservation of fuel and power
Note:	The thermal insulation performance of this system should be considered in the context of the contribution made to the overall performance of the building.



The Building (Scotland) Regulations 2004 (as amended)

Not Applicable

Non-Regulatory Information



LABC Warranty

The use of the Thermohouse Ltd Insulated Concrete Formwork Building System has not been assessed to meet the requirements of the LABC Warranty Technical Manual. If you would like to discuss a specific use please make an enquiry to technical.services@labcwarranty.co.uk

Supporting Documentation

NSAI Agrément Certificate No. 08/0310

NSAI Agrément Certificate No. 10/0349

European Technical Approval ETA – 07/0018 13/06/2017

BRE Report No. 255996, 23.10.2009

BRE Report No 251-448, 19.02.2009

Emerald Energy – Roof junction psi-value and temperature factor

Calculations for roof junctions

Contact Information

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