

System Review certificate

NHBC Services Ltd confirms that

System owner: BEWI Insulation & Construction (UK) Ltd

System name: Jackodur Atlas Foundation Insulation System

System manual: BBA Certificate 20/5812 ps1 (22/05/2024)

has been reviewed by the NHBC System Review team and as detailed in the System Manual can meet the NHBC Technical Requirements, subject to the exclusions and limitations listed in this certificate.

This certificate is valid until such time as it is no longer published or authorised by NHBC. Readers are advised to check the validity and latest issue number of this certificate by either referring to our website at nhbc.co.uk/systemreview or contacting NHBC directly.

NHBC Services Ltd has undertaken a technical review of the System manual as set out in line with the NHBC System Review Technical Document for Innovative systems. The NHBC System Review Service is intended solely to provide confidence that the Innovative system meets NHBC Standards and is not intended as evidence of performance for any other purpose. Appraisal of the Innovative system against building regulations is not carried out as part of this Service.

NHBC reference: 4070

First issued: 25/04/2025

Version number: 01.2

Revised on: 26/01/2026

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NHBC reference: 4070.01.2

System description

The System comprises extruded polystyrene (XPS) elements used as permanent shuttering for reinforced concrete (strength class C32/40), in the construction of ground-supported raft foundations on compacted granular MOT type 1 material, in conjunction with timber frame and insulated concrete form (ICF) walls; where applied stress on the XPS at the serviceability limit state (SLS) does not exceed 83 kPa and in non-load bearing blockwork internal walls.

The design of the concrete raft, the ground preparation requirements, temporary bracing of the formwork where required, and connection details with the superstructure must be carried out by a third party qualified Structural Engineer in conjunction with the results of a site-specific ground investigation.

The System has been reviewed for use in all nations of the UK. Party walls are outside the scope of this assessment. Therefore, it is applicable to detached dwellings only.

The System is installed on site by trained installers approved by the System Owner.

Exclusions and limitations

Additional requirements must be met in order for a new home to qualify for Buildmark cover. Buildmark cover for new homes will only be issued to Builders or Developers in accordance with the latest version of the NHBC Rules (a copy of which can be found at nhbc.co.uk).

- A project-specific design, prepared by a suitably qualified Structural Engineer, and full project-specific details provided for each plot.
- Basements are outside the scope of this certificate.
- NHBC will not accept the use of insulated raft foundation systems on sites that may be subject to heave; where part, or all of the required granular fill is replaced with EPS.
- The following items must be designed and approved by a relevant qualified person on a plot-specific basis:
 - Concrete mix, placement method, and reinforcement
 - Gas/Radon and/or VOC resistant barrier (where required)
 - Damp Proof Course (DPC) and Damp Proof Membranes (DPM) (where required)
 - Air and Vapour Control Layer (AVCL)
 - Screed with underfloor heating
 - Junctions and interfaces