

System Review certificate

NHBC Services Ltd confirms that

System owner: Ultrapanel Building Technologies Limited

System name: Ultrapanel Warm Roof System

System manual: Warm Roof v2 Rev D (28.11.2025)

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: 3587

First issued: 08/02/2022

Version number: 05.2

Revised on: 13/01/2026

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NHBC reference: 3587.05.2

System description

The Ultrapanel Warm Roof System is a prefabricated, panelised roof and gable wall system. It is designed to create a room-in-roof construction for residential buildings only. Applicable building types include houses and apartments.

It can be used with masonry, light steel frame, timber frame, and Ultrapanel external walls. It is suitable for roof pitches between 37.5° and 50°. The structure is formed from interlocking insulated panels supported by prefabricated timber and steel composite beams. Beams include eaves, ridge, valley, and intermediate purlins. Cold-formed steel clips connect adjacent panels. Steel tie bars at eaves provide lateral stability across gable walls. Purlin beams are made from cold-formed steel, OSB, and rockwool insulation. Roof panels use EPS insulation bonded to hardboard webs with steel rails.

External gable panels use PIR insulation with similar steel and hardboard construction. Gable panels are available in multiple thicknesses up to 285mm. The system accommodates stepped roof lines and various façade treatments. Adjacent roofs are structurally independent to reduce fire and sound transmission.

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](https://www.nhbc.co.uk)).

- The System is suitable for use in England and Wales Only
- If the System is used in Scotland or Northern Ireland a site-specific review will be required.
- Detached, semi-detached and terrace gable roof configurations only
- Gable panels are designed to receive a traditional masonry outer leaf.
- Roof panel thickness options include 213mm and 285mm.
- Steps at the roof line can be accommodated by this System
- Separating wall panels use rockwool insulation and calcium silicate boards.
- Internal linings should comply with the specification set out in the System Manual