

System Review certificate

NHBC Services Ltd confirms that

System owner: Ultrapanel Building Technologies Limited

System name: Ultrapanel External Wall System

System manual: Wall Panel v1 Rev B5 (26/04/2024)

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: 4023

First issued: 15/05/2024

Version number: 01.2

Revised on: 13/01/2026

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NHBC reference: 4023.01.2

System description

The Ultrapanel Wall System is a prefabricated hybrid steel and timber wall solution. It is formed from interlocking panels that create cross braced cassette walls. Panels connect to preformed insulated ring beams and corner posts. The system serves as the internal load bearing structure to the external walls, separating walls and internal load bearing walls. It is suitable for detached, semi detached, and terraced housing.

The System can be used with masonry façades and lightweight cladding with independent technical approval. External panels use EPS, PIR, or stone wool insulation options. Insulation is bonded to oil tempered hardboard webs. Steel clips and rails provide structural stability.

Party walls use 75mm stone wool insulation. Party wall insulation is bonded to multipurpose board webs. The system can integrate with traditional or engineered floor joists. Floors can be supplied loose or as prefabricated floor cassettes. Floor joists are supplied and installed by UBTL. The system allows staggered layouts between adjoining homes. It can be combined with the Ultrapanel Insulated Roof System. This enables a complete house solution known as the Ultrapanel Haus System.

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 design 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 residential dwellings only.
- Maximum 11m to the uppermost floor.
- The system is compatible with traditional masonry facades and lightweight facades.
- Internal linings should comply with the specification set out in the System Manual.
- Cavity barriers and fire stopping to be designed on a project specific basis.
- Basement construction and apartments are excluded.
- Internal load bearing and non-load bearing walls of masonry and timber are excluded.
- Within 1m of a boundary, only a brick or block outer leaf of masonry is permitted.