



Innovative system Acceptance Certificate

Issue date: 15/05/24
Reference number: 4023
Issue: 01
Innovative System Owner: Ultrapanel Building Technologies Limited (UBTL)
Enterprise Works
Salthill Road
Clitheroe
BB7 1PE
Innovative System Name: Ultrapanel Wall System
Generic form: Panelised Hybrid Steel and Timber Wall System

NHBC Services Ltd has reviewed the following information (the System Manual) related to the Innovative system supplied by the Innovative System Owner:

- Ultrapanel Wall System NHBC Manual v1 Rev B5 26.04.24

Relying on the information provided by the Innovative System Owner, NHBC Services Ltd considers that the Innovative system can meet NHBC Standards.

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 www.nhbc.co.uk).

This acceptance 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 www.nhbc.co.uk/accepts or contacting NHBC directly.

Issued by:

Technical Innovation Manager

NHBC Services Ltd



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Description, Scope and intended use.

The Ultrapanel Wall System is a prefabricated, hybrid steel and timber wall system. The system is formed from interlocking individual panels to create a cassette wall which is crossed braced. The cassettes are connected to preformed insulated ring beams and preformed insulated corner posts. The wall system is designed as the internal loadbearing structure to the external walls of detached, semi-detached and terrace houses.

The system is designed to receive lightweight cladding systems that have independent technical approval and traditional masonry of brick and block. Where the system is used within 1m of a relevant boundary the Ultrapanel Wall System is restricted to masonry facades only of brick or block.

The external wall panels comprise Stylite EPS / Kingspan TP10 PIR and Rockwool Fabrock stone wool insulation of varying thicknesses bonded to 6mm oil tempered hardboard webs with 0.7mm cold rolled steel clips and rails. The external walls can be designed with various performance levels which can be achieved using the different insulation types. The party wall panels comprise 75mm Rockwool Fabrock stone wool Insulation bonded to 6mm Siniat multipurpose board webs with 0.7mm cold rolled steel clips and rails.

The system can be used in conjunction with traditional softwood floor joist, or engineered type floor joists as intermediate floors. The floor joists fall outside the scope of the assessment, however they will be supplied and installed by UBTL as part of the installation process. The floor can be supplied as loose components ready for installation or as a complete floor cassette constructed by UBTL.

The system can accommodate staggers between adjoining houses.

The system can be used with the Ultrapanel Insulated Roof System to create a whole house system, which is known as the Ultrapanel Haus System, or as an alternative can incorporate traditional timber truss roof structures. If a cold roof is specified, the system will incorporate the Ultrapanel Ceiling Cassette System, which falls outside the scope of the assessment.

Extent of review for NHBC Warranty on NHBC Registered Sites

NHBC Services Ltd has undertaken a technical review of the System Manual as set out in line with the NHBC Accepts Technical Document for Innovative systems. The NHBC Accepts 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.



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NHBC Accepts is not an independent accreditation scheme or any form of performance guarantee and third parties should engage with the relevant manufacturer on performance of their product. No documentation, information and advice relating to NHBC Accepts may be adapted, disclosed, or distributed to any third party. NHBC Services Ltd accepts no duty of care and assumes no responsibility to any third party. Any third party who chooses to rely upon an NHBC Accepts certificate (or any documentation, information and advice relating to the NHBC Accepts service) shall do so entirely at their own risk and NHBC Services Ltd accepts no duty of care or liability for any damage or loss, however caused, in connection with the use of or reliance on any documentation, information and advice relating to NHBC Accepts.

Exclusions and Limitations

This Acceptance Certificate is made out solely to the System Owner. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the System Owner arising out of, or in connection with, this Acceptance Certificate.

Exclusions and limitations are set out in the System Manual. Additional considerations in the use of the Innovative system include:

- The system is intended and has been assessed for use in England and Wales only. If the system is specified for use in Scotland or Northern Ireland a site-specific review will be required.
- The system is compatible with detached, semi-detached and terrace residential dwellings only, of up to three storeys in height or 11m to the uppermost floor as per Approved Document B Volume 1, depending on the insulation type.
- The system is compatible with traditional masonry façades, and lightweight facade systems that hold relevant independent technical approval.
- Internal linings must comply with the specifications set out in the system manual.
- Cavity barriers and general fire stopping details must be designed by a specialist fire engineer on a project specific basis.
- The system is not compatible with basement, apartment, or maisonette construction.
- Unless formed from the Ultrapanel Wall System, internal loadbearing and non-loadbearing walls are outside the scope of assessment.