



Innovative system Acceptance Certificate

Issue date: 17/04/25
Reference number: 4272
Issue: 01
Innovative System Owner: Alexanders Timber Design Ltd.

Portland House,
Harbour Road,
Troon
KA10 6DN

Innovative System Name: ATD Closed Panel Timber Frame
Generic form: Closed Panel Timber Frame

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

- ATD Closed Timber Frame Wall Panel System Manual Version 1, Rev 4 (dated 2nd April 2025)

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 Operations Manager
NHBC Services Ltd



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Description, Scope and intended use.

ATD Closed Panel Timber Frame is a pre-insulated closed panel timber frame system for external and party walls, (MHCLG Category 2), referred to in this document as the System. The panels are manufactured from 89mm or 140mm treated timber studs, with supplementary sheathing, membranes and insulation as specified by the wall type.

For external walls, the outer face is clad with OSB3, to provide racking resistance (where required for mitigation of fire risk, this is replaced with a non-combustible sheathing board). The panels are faced externally with a breather membrane and blown mineral wool insulation is fully filled in the voids between studs. An AVCL is installed across the inside face of the frame, and where required, timber battens create a service zone. An additional layer of internal OSB3 or PIR can be introduced, where the design requires. The party walls are formed of twin leaf panels, fully filled with mineral wool insulation in a minimum 50mm cavity. Each leaf consists of 89mm timber studs and fully filled blown mineral wool insulation, sheathed with OSB3, and internally faced with AVCL, 15mm Siniat standard wallboard and 15mm Siniat fire board. The System is manufactured at the System Owner's factory in Irvine and holds ISO 9001.

The System can be used for external walls in dwelling houses up to three storeys, in sites over England and Wales and in Scotland where the top storey does not exceed 7.5m from the lowest external ground level. The structure is expected to have a service life of not less than 60 years.

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.

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.



Innovative system

Acceptance Certificate

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:

- Foundations, substructure, ground floor, intermediate floors and roof are excluded from the scope of the System.
 - External wall panel variations, including internal fire-resistant linings are project specific, but guidance is available in the System Manual.
 - Windows and external doors are excluded from the scope.
 - External finishes, cavity barriers, internal services, fixtures, and fittings are excluded from the scope.
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