

System Review certificate

NHBC Services Ltd confirms that

System owner: H+H UK Limited

System name: Celcon Vertical Wall Panels

System manual: Lucideon SP 152 Issue 2 (Feb 2018)

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: 3442

First issued: 27/10/2019

Version number: 05.1

Revised on: 26/01/2026

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NHBC reference: 3442.05.1

System description

Celcon Vertical Wall Panels are storey height, 600mm wide and 100mm thick, manufactured in accordance with BS EN 12602, and are CE marked to attestation of conformity level 2. The purpose of the elements is to replace blockwork to the inner leaf of external cavity walls, separating walls and internal partition walls in dwellings up to a maximum of two storeys. The elements are lightly reinforced with 3 steel bars to facilitate handling and transportation. Vertical joints between the elements are filled with a fast setting thin layer mortar which has been specifically developed for use with AAC elements. Infill sections required between windows and openings and for lengths of wall are to be cut on site, with the length of cut elements being used generally limited to 150mm.

Design of walls based upon BS EN 1996-1-1 Eurocode 6 – Design of masonry structures and Design Guidance for the use of H+H Aircrete Vertical Elements in the UK Special Publication 152 February 2018 Issue 2 by Lucideon can be applied to walls made constructed using Celcon Vertical Wall Panels.

NHBC review also based on the Installation Guide for H+H Celcon Elements, Ref: VE-CD15 – Issue 06 – 11th February 2022.



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 overall design and structural limitations must be assessed on a project-specific basis by a suitably qualified Structural Engineer.
- Where structural design shows the elements are not suitable, or where it is more appropriate to choose otherwise sections of the build can be of thin joint block masonry to replace elements.