



# Innovative system Acceptance Certificate

**Issue date:** 13/07/2020  
**Reference number:** 3442  
**Issue:** 04  
**Innovative System Owner:** H+H UK Limited  
Celcon House, Ightham  
Sevenoaks  
Kent  
TN15 9HZ  
**Innovative System Name:** Celcon Vertical Wall Panels  
**Generic form:** Site Based

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

- Lucideon Technical Report and Design Guidance for the use of H+H Aircrete Vertical Elements in the UK, Special Publication 152 February 2018 Issue 2
- Installation Guide for H+H Celcon Elements, Ref: VE-CD15 – Issue 06 – 11<sup>th</sup> February 2022.

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](http://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](http://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

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.

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## 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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## 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 overall design and structural limitations must be assessed on a project-specific basis by a suitably qualified Structural Engineer.



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- 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.
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