

System Review certificate

NHBC Services Ltd confirms that

System owner: Wienerberger Ltd

System name: Porotherm

System manual: Lucideon Special Publication 148 (Oct 2019)

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: 3637

First issued: 10/02/2020

Version number: 05.1

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NHBC reference: 3637.05.1

System description

Porotherm blocks are perforated clay blocks manufactured by Wienerberger intended for use in cavity masonry walls above the DPC. Protection may be provided to the external masonry by suitable render, cladding or external wall insulation. The inner leaf is protected by its location as cavity walling or as an internal partition.

The blocks are supplied in thicknesses ranging from 100mm to 365mm and are placed on a bed of ZeroPlus Bed Joint Mortar. The surfaces of the blocks are ground flat and parallel, such that the target thickness of the bed joint is 1mm. The cross-joints are formed by interlocking features in the header ends of the unit and contain no mortar.

Porotherm blocks can be used up to three- storeys in all nations of the UK and are suitable for the construction of masonry structures with wide span pre-cast concrete floors.

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-by-project basis by a suitably qualified Structural Engineer.
- Porotherm blocks are not accepted for use below DPC.
- Porotherm blocks are suitable in buildings up to three storeys.
- This Certificate covers the use of Porotherm for internal and external skins of a cavity wall, subject to additional weatherproofing being applied to the external face.
- The use of Porotherm blocks as a single leaf external masonry wall is not accepted.