



Innovative system Acceptance Certificate

Issue date: 23/10/2024
Reference number: 3702
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Innovative System Owner: Wienerberger Ltd
Wienerberger House
Brooks Drive, Cheadle Royal Business Park
Cheadle, Cheshire, SK8 3SA
Innovative System Name: Eco-brick
Generic form: Site-based brickwork

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

- Lucideon: The Design of Cavity Walls with an Outer Leaf of Eco-brick Masonry, Special Publication 153 June 2024 (The System Manual)
- Eco-brick By Wienerberger Best Practice Guide 'Considerations when using Eco-brick over compared with traditional brick' October 2024 ECBCD0724 Rev6

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:

A handwritten signature in black ink, appearing to be 'J. R.', is written over a light blue horizontal line.

Technical Innovation Manager
NHBC Services Ltd



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Description, Scope and intended use.

Eco-brick is the generic name for the 65mm thin brick range manufactured by Wienerberger intended for use as a replacement for standard 102mm bricks in the outer leaf of external cavity masonry or timber frame walls when used as cladding. Eco-brick is suitable for use in cavity walls up to 12m in height, above and below the DPC. The mortar joints are fully filled with mortar and the exposed face of all joints have an ironed finish for the exclusion of water. Care should be taken with the specification of wall ties, lintels, weep vents and cavity trays. It is recommended that window and external door frames are fixed back to the inner leaf.

This certificate is limited to the acceptance of the following Eco-brick types listed in the System Manual: Waresley Sunset Red, Kingsbury Staffordshire Smooth Blue, Pelham Antique Thinner Red, Langdale Thinner Gray, Warnham Thinner Red, Kassandra, Ewhurst, Bowland, Forum Pampas, Haywood Red, Oud Romaans, Jado Red, Reno Grey, Saturn Grey, Muria Yellow, Nila Cream, Helios White, Clarus Cream and Olde Cheshire. Other Eco-brick types may also be acceptable where their structural performance has been verified to extend the design information given in EC6, or where their characteristics align with an accepted brick type.

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.



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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
- The overall height of walls using Eco-bricks is limited to 12m
- Recessed mortar joints and flush cills and copings must not be used with Eco-bricks
- The use of Eco-brick is not accepted in areas of 'very severe' exposure
- Exposure zone limits for a range of cavity widths must meet the minimum requirements set out in Appendix H of the System Manual.
- Where Eco-brick is used in conjunction with a timber frame, only designated cavity wall ties supplied as part of the Eco-brick system may be used and the instructions in the Wienerberger Best Practice Guide must be followed