NHBC

System Review certificate

NHBC Services Ltd confirms that

System owner:	Wienerberger Ltd
System name:	Eco-brick
System manual:	Lucideon Special Publication 153 (June 2024)

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:	3702	**First issued:**	01/03/2021
Version number:	04.2	**Revised on:**	26/01/2026

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NHBC reference: 3702.04.2

System description

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.
NHBC review also based on the Eco-brick Best Practice Guide 'Considerations when using Eco-brick over compared with traditional brick' October 2024 ECBCD0724 Rev6.

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**).

- Overall design and structural limitations must be assessed on a project-specific basis by a suitably qualified Structural Engineer.
- The maximum wall height using Eco-bricks is limited to 12m.
- Recessed mortar joints, flush cills, and copings must not be used with Eco-bricks.
- The use of Eco-bricks is not permitted in areas classified as '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-bricks are used with timber frame construction, 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.

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