



Innovative system Acceptance Certificate

Issue date: 04/03/23
Reference number: 3690
Issue: 02
Innovative System Owner: Roger Bullivant Limited
RB Walton Park,
Hearthcote Road,
Swadlincote,
Derbyshire,
DE11 9DU.
Innovative System Name: RBeam Precast Foundation System
Generic form: Precast concrete ground beam and pile cap foundation system

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

- Precast Foundation System Manual – BS 8110 Edition, dated June 2021

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 read 'A. Smith', is written over a horizontal line.

Technical Innovation Manager
NHBC Services Ltd



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Description, Scope and intended use.

Roger Bullivant's RBeam Precast Foundation System is a factory produced, reinforced precast concrete foundation system comprising ground beams and pile caps supplemented with in-situ slab-type beams as required to support small steps in wall line (eg. bay windows, porches etc). Roger Bullivant Limited are responsible for the design, production and installation of the system.

The system is designed, detailed and specified on a project-specific basis to suit site conditions and is suitable for support of low-rise buildings, as defined within BS 8103-1 and summarised below:

- Buildings to be not more than three storeys above ground level.
- Rooms within the roof space constitute a storey height.
- Roof: maximum clear span 12.0 m.
- Floor: maximum clear span 6.0 m.
- Design wind speed: not exceeding 44 m/s.
- No part of wall or roof higher than 15 m above lowest adjacent ground level.
- Storey height: maximum 2.7m.

The system comprises five standard beam profiles and a tie beam profile. All beam profiles are 400mm wide and manufactured in 150mm length increments between 900mm and 6000mm. Beam depth and reinforcement varies between profiles. Precast pile caps are either 700mm diameter by 230mm deep, or 800mm diameter by 380mm deep.

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



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any damage or loss, however caused, in connection with the use of or reliance on any documentation, information and advice relating to NHBC Accepts.

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.
 - Piles, underbuild and ground floor slabs are not included within the scope of the system.
 - Site specific details will need to be considered for each development in accordance with the Site Investigation Report. Particular attention to be made to gas/radon protection measures, heave precaution requirements and co-ordination of services.
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