

Acceptance certificate

Issue date: 04/03/2022
Reference number: 3690
Issue: 01
Innovative Product Owner: Roger Bullivant Limited,
RB Walton Park,
Hearthcote Road,
Swadlincote,
Derbyshire,
DE11 9DU
Innovative Product 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 Product supplied by the Innovative Product Owner:

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

Relying on the information provided by the Innovative Product Owner, NHBC Services Ltd considers that the Innovative Product 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 'ASIT'.

Innovation Services 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 Products.

The NHBC Accepts Service is intended solely to provide confidence that the Innovative Product meets NHBC Standards and is not intended as evidence of performance for any other purpose. Appraisal of the Innovative Products against building regulations is not carried out as part of this Service.

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 Product include:

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- The overall design and structural limitations must be assessed on a project-by-project 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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