

System Review certificate

NHBC Services Ltd confirms that

System owner: Roger Bullivant Limited

System name: RBeam Precast Foundation System

System manual: System Manual BS8110 Edition (June 2021)

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: 3690

First issued: 04/03/2022

Version number: 03.1

Revised on: 26/01/2026

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NHBC reference: 3690.03.1

System description

Roger Bullivant's Precast Foundation System is a factory-produced, reinforced concrete foundation system comprising ground beams and pile caps, together with in-situ slab-type beams used where required to accommodate minor changes in wall layout (e.g., bay windows, porches). Roger Bullivant Limited are responsible for the design, production and installation of the system.

The system is designed on a project-specific basis to suit site conditions and is suitable for low-rise buildings as defined in BS 8103-1, limited to a maximum of three storeys above ground level (including rooms in the roof space). Additional constraints include a maximum roof clear span of 12.0m, floor clear span of 6.0m, storey height of 2.7m, design wind speed of 44m/s and a maximum building height of 15m above the lowest adjacent ground level.

The system comprises of five standard beam profiles and one tie beam profile. All 400mm wide and manufactured in 150mm length increments from 900mm to 6000mm. Beam depth and reinforcement varies between profiles. Precast pile caps are either 700mm x 230mm or 800mm x 380mm.

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-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.