



Innovative system Acceptance Certificate

Issue date: 27/06/23
Reference number: 3784
Issue: 01
Innovative System Owner: Nu-Span Flooring Limited
Barholm Road
Tallington Lakes
Stamford
PE9 4RL
Innovative System Name: Nuspan Insulated Precast Concrete Unit (IPCU)
Generic form: Insulated Precast Concrete Floor System

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

- BBA Agrément Certificate 13/4967, dated 30th August 2017
- Nu-Span Flooring Limited IPCU Installation Guide 2020 R1

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:

Technical Innovation Manager

NHBC Services Ltd



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Description, Scope and Intended Use

The Nuspan IPCU System comprises precast concrete, steel reinforcement and expanded polystyrene units forming insulated, suspended, primary ground floor structures fabricated and consolidated off-site. The System is available in two depths, 300mm and 375mm, with two options for the structural concrete depth within the floor units. The units incorporate moulded EPS which extends beyond the width of the concrete to thermally enhance the butt joint between planks. Grout is brushed into the gaps to complete the structural floor system. Besides a small amount of grout, the floor system can be completed without loose lay infill materials, providing a primary structural closed floor panel systemised design.

The System is intended for use in domestic buildings not more than four storeys in height, corresponding to Load Category A (Areas for domestic and residential activities) in the National Annex to BS EN 1991-1-1. The System is intended for use in all nations within the United Kingdom.

Nu-Span Flooring Limited are responsible for the detailed design of the System. The System is designed on a project-specific basis in accordance with BS EN 1992-1-1 and its UK National Annex, or to BS EN 13224 where the panels are treated as minor floor elements.

The thermal performance of floors using the System is calculated on a project-specific basis to suit the specified floor unit (U-values as declared on BBA Agrément Certificate 13/4967), floor make-up and junction details.

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.

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.



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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 Nu-Span Flooring Ltd.
 - Floor screeds, timber battens, floor finishes and damp proof courses are outside the scope of the certificate.
 - Design, specification and detailing of requirements relating to site ground conditions (e.g. clay heave, radon, ground gas etc.) are to be assessed on a project-specific basis.
 - Fire compartmentation requirements at party wall locations are to be specified and managed on a project-specific basis.
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