



Innovative system Acceptance Certificate

Issue date: 07/12/22
Reference number: 3697
Issue: 02
Innovative System Owner: Group Y Ltd
King Arthurs Court,
Maidstone Road,
Charing,
Ashford, Kent,
TN27 0JS
Innovative System Name: Cobalt Balcony System
Generic form: Prefabricated Balcony

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

- Blue Chyp Cobalt Hybrid System – Product Technical Document – Revision 9 dated 12th November 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:

Technical Innovation Manager

NHBC Services Ltd



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Description, Scope and intended use

The Blue Chyp Cobalt balcony is a prefabricated balcony system for use as an attachment to multi-story residential buildings.

The chassis is the main structural element of the balcony and is common to all Cobalt variations. The chassis comprises aluminium extrusions to form the main structure, with galvanised mild steel bolted angles, galvanised mild steel “arms” perpendicular from the building façade or galvanised mild steel “back beam” full width of the balcony (Cobalt Free Standing only). The chassis connects to the building via proprietary cast in or bolt on building connector stubs, to be assessed for suitability on a project specific basis. Fitted to the chassis is an aluminium drainage tray and interlocking aluminium soffit panels to the underside. The system is then able to support either powder coated aluminium floor decking or stone tiles and a choice of prefabricated balustrade types.

The system is suitable for use on low rise or high rise multi-storey residential buildings, including buildings over 18m in height. Cobalt balconies are designed for single family dwelling units and communal areas in blocks of flats; Category A5 (Domestic and residential activities; communal areas within flats of limited use) of BS EN 1991-1-1 (UK annex). Flats of limited use are defined as flats not more than three storeys in height and with not more than four self-contained dwelling units per floor accessible from one staircase.

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 systems 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-by-project basis by a suitably qualified Structural Engineer.
 - For buildings taller than 50m, or with unconventional (e.g., non-rectangular) layouts, or near other tall buildings, net wind pressures on guarding should be determined through detailed scale-model wind tunnel tests in accordance with BS EN 1991-1-4, UK National Annex NA to BS EN 1991-1-4, and PD 6688-1-4.
 - The system has been designed to a minimum vertical frequency of 5Hz (tested to 8.2Hz) in accordance with BS 8579:2020.
 - Deflection has been restricted to a maximum of 5mm under a static 2kN concentrated load in accordance with BS 8579:2020.
 - The specification and design of proprietary cast in or bolt on balcony connector stubs are outside of the scope of the certificate.
 - The specification and design of suitable fire stopping, and cavity barriers are outside the scope of the certificate.
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