

# Stairs & Landings



**BISON PRECAST**

a Forterra brand

# Stairs & Landings

**Bison Precast  
concrete stairs  
and landings for  
all building types  
across all sectors.**



# System Overview

Bison Precast has a wide range of adjustable steel moulds for its stairs, landings and balcony units, capable of meeting the requirements of even the most demanding project.

By working closely with project architects and designers, Bison Precast provides structurally and commercially viable solutions to meet customer requirements, whether for standard or more bespoke applications.

Each precast concrete unit is individually designed and manufactured to meet the specific requirements of each project and our in-house design team are on hand to provide immediate guidance and information.



Standard Staircase



Bespoke Staircase



## Standard or Bespoke Staircases & Landings

Stairs and landings are available in a variety of standard arrangements. Alternatively they can be tailor-made to suit the the application.

# Stairs & Landings Benefits



## Cost of construction

- No propping or expensive formwork
- Immediate safe access for follow-on trades
- Increased speed of build
- Suitable for all construction types, in all sectors

## High performance

- Inherent fire resistance and excellent sound reduction qualities
- Factory manufactured for improved consistency, accuracy and quality

## Service

- Available nationwide either supply only or supply and install
- Design support provided at concept stage and throughout the project

## Quality

- Complies with all relevant standards and manufactured in accordance with BS EN ISO 9001 and BS EN ISO 14001
- Stair components are CE marked against BS EN 14843

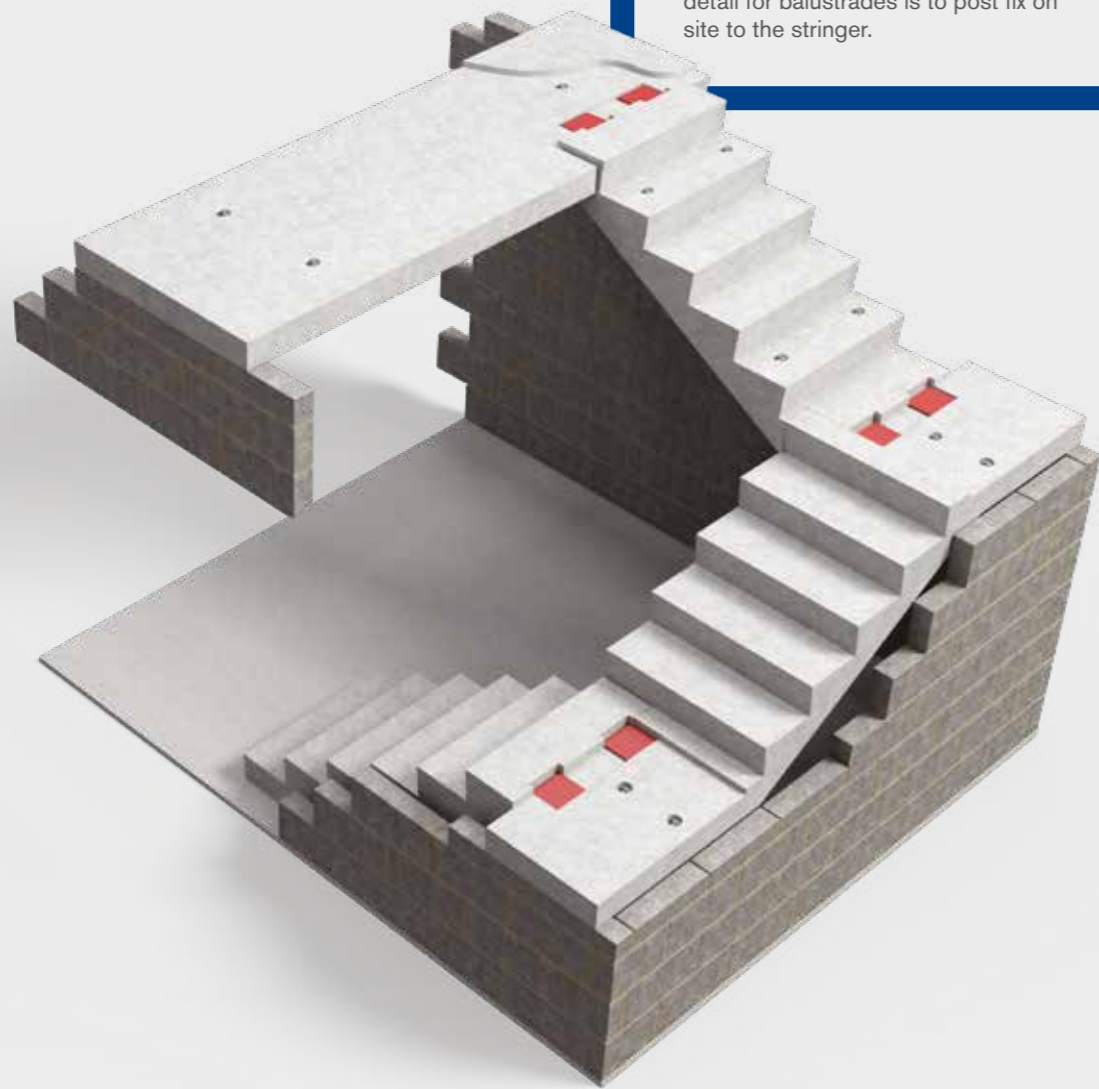


# Stair Configurations

## Straight flights with cross landings

Simple and cost-effective solution where side support is available for both main and half landings. Provides shorter spans which reduce thickness and weight providing for easier handling, transportation and installation.

Components are cast in standard moulds and transported flat. Landings can be built-in as the structure progresses.



### Stair finish

All standard stair components are manufactured in grey concrete using a manufacturing process that results in a finish to either soffit or the string that is not suitable for a direct paint or artex finish. It is therefore recommended that where the string or soffit is exposed to view these surfaces are to be either plastered or dry lined. The standard detail for balustrades is to post fix on site to the stringer.

## Flights with integral top and/or bottom landings

Ideal option for steel-framed buildings or where there is a preference for fewer crane lifts and components.

In steel framed buildings installation is normally undertaken prior to the construction of brick/block work.

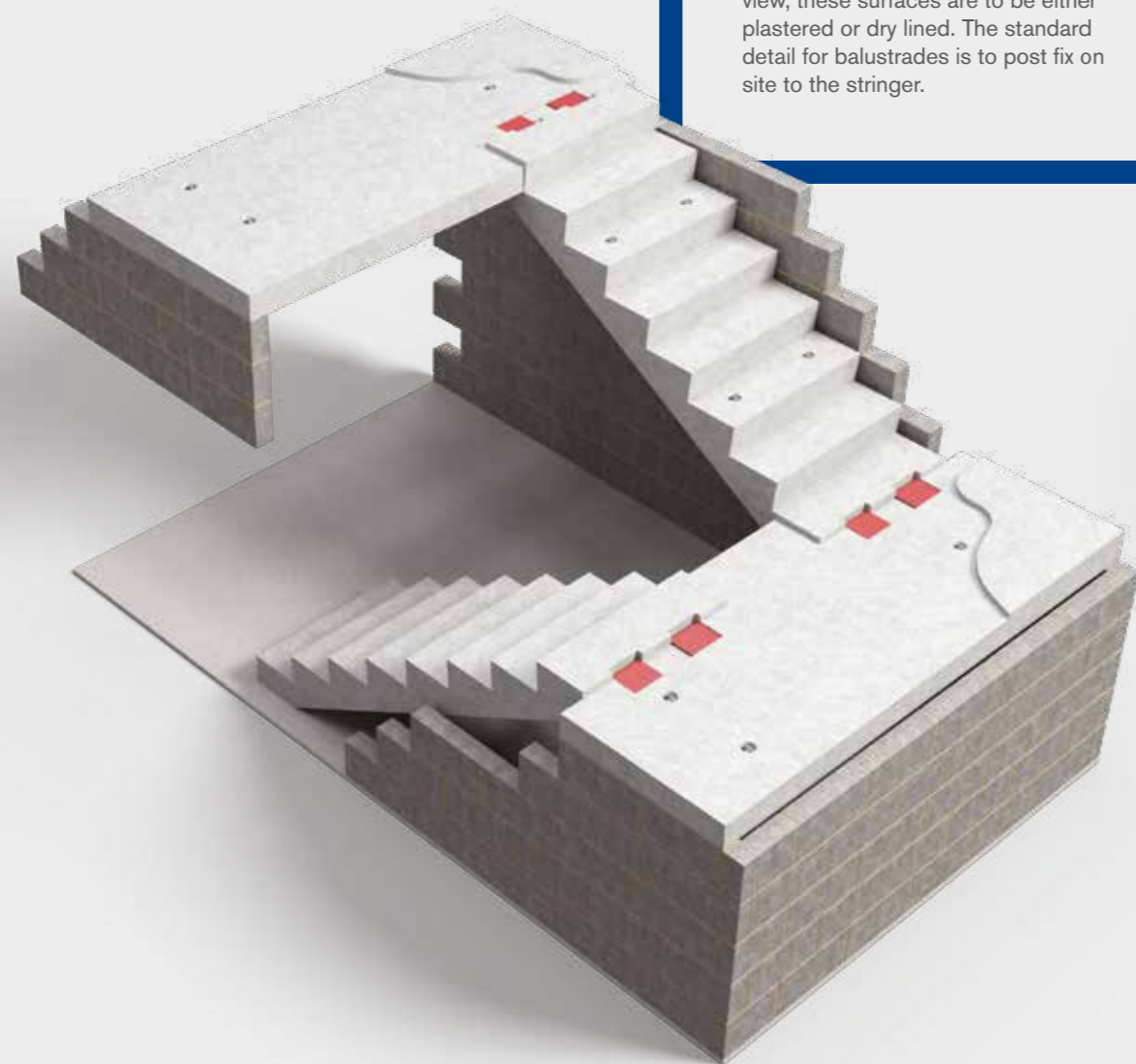


## Flights with integral top and/or bottom landings

Design is particularly suitable for use around lift shafts or where there is a requirement for more resting positions e.g. hospitals, care homes etc. Bearing may be taken from side supports, end supports or continuous.

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## Precast winding staircase

Available in L or U shaped configurations, including winders at each turn.

This type of stair eliminates the need for half landings. It can be easily installed as the building progresses using adjustable support brackets which are located in pre-designed openings in the stairwell.

The winding staircase offers inherent fire insulation and a high level of sound insulation, particularly when used in combination with Bison Precast floors at upper levels.

