



# Stairs & Landings

# Precast Stairs & Landings

Building made faster, smarter and stronger

Precast stairs and landings are another level in Charcon's precast construction solutions and can be tailored to almost any architectural design.

## Solutions

Suitable for both residential and commercial applications, Charcon stairs and landings can be designed and manufactured to exact requirements to ensure a cost effective product that is safe and efficient to install.

Precast stair and landing units are designed for swift installation, eliminating the need for the expensive formwork and propping traditionally associated with in situ stairs. They are delivered when needed, saving onsite storage space.

This ease of installation helps speed up construction programmes by allowing follow on trades to continue to work safely

between floor levels, and as part of its integrated service, Charcon can also supply an experienced fixing team if required.

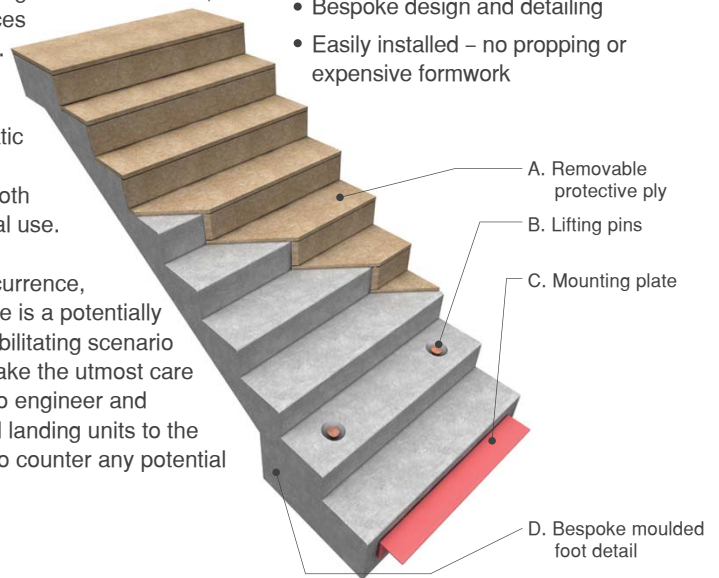
Concrete is inherently fire retardant, with additive, resistant to water, and boasts impressive thermal mass. It also provides excellent sound proofing, beneficial in multi-purpose buildings such as schools, sports centres, offices and nursing homes.

Precast concrete is unaffected by climatic conditions, making products ideal for both external and internal use.

Although a rare occurrence, progressive collapse is a potentially fatal and project debilitating scenario and why Charcon take the utmost care and due diligence to engineer and expertly fit stair and landing units to the highest standards to counter any potential for this risk.

## Features and Benefits

- Quick and cost efficient
- Fast, just in time nationwide delivery
- Comprehensive service – with in house design and technical expertise
- Optional install by Charcon's experienced fixing crews
- Bespoke design and detailing
- Easily installed – no propping or expensive formwork



## Products and Services

### Precast Stairs

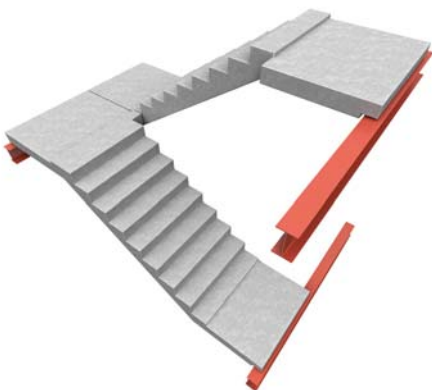
Stairs are available in straight flights, either as single units or integrated with landings, or as speciality designs. In house experts can offer services from the design stage to installation, and as with all Charcon products - stairs, landings and other precast systems can be supplied as part of an integrated solution.

### Speciality Stairs

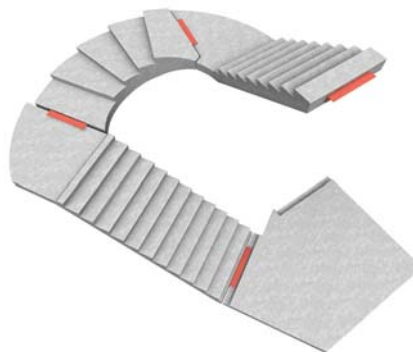
Custom built moulds can be designed for the construction of specialised configurations such as curved and splayed stairs. Concrete offers a cost and time effective alternative to traditional timber built staircases and can be finished with a number of flooring materials.

### Precast Landings

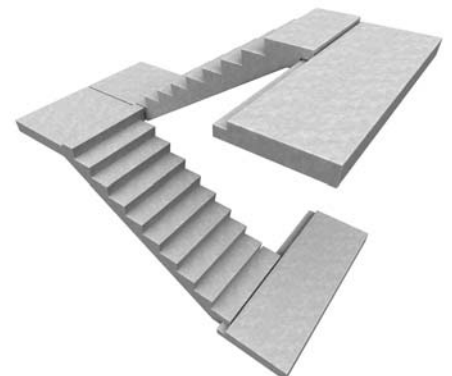
Landings can be cast onto the top or bottom of stair flights, or both if required. They are designed to exact specifications and manufactured in moulds which produce Type A finishes to non soffit surfaces. Charcon landings have a fire resistance of one hour, although higher ratings can be achieved where specified by the client. Stepped landings are also available and fixings for temporary balustrade can also be incorporated.



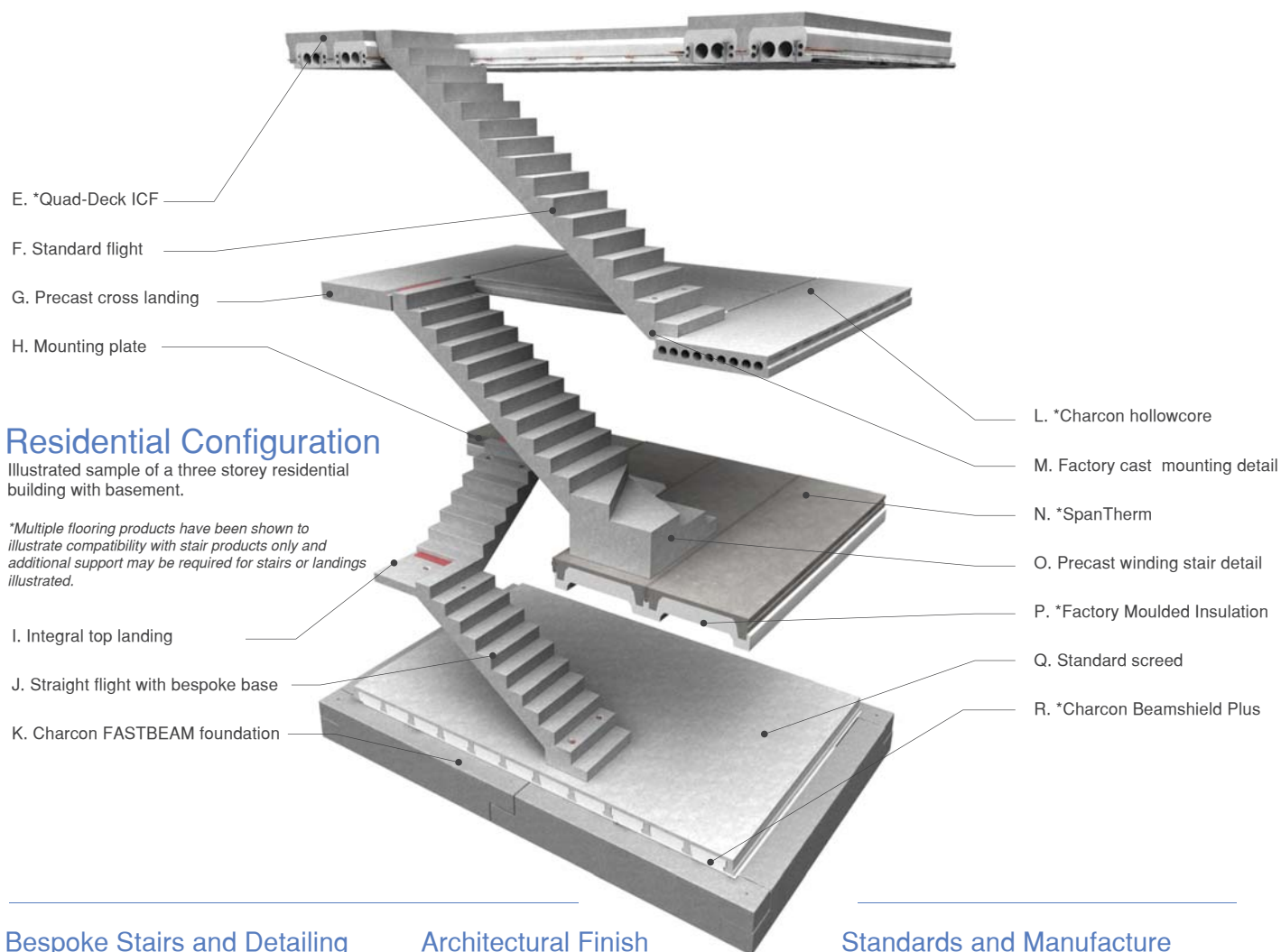
Standard flights with integral landings top and bottom



Bespoke design, manufacture and install by Charcon to meet any project's speciality requirements



Precast landings with straight flights with reduced profile integral landings to cater for screeding



## Residential Configuration

Illustrated sample of a three storey residential building with basement.

*\*Multiple flooring products have been shown to illustrate compatibility with stair products only and additional support may be required for stairs or landings illustrated.*

## Bespoke Stairs and Detailing

Charcon stairs and landings are made to meet a client's specific design requirements - unit widths, risers and tread dimensions can all be designed to suit and non slip treads can be incorporated. They are fitted with lifting points for easy off loading and placing of units - these points require grouting after installation.

## Architectural Finish

A range of architectural finishes can be incorporated into Charcon stairs and landings, from high polish to colour variations. The units also accommodate flooring materials such as carpet, timber, marble and tiles, making them easily fit in with any interior design. The high quality soffit finish can reduce the requirement for additional trades.

## Standards and Manufacture

Charcon stair and landing units are factory produced to the highest degree of accuracy and quality and conform to BS EN ISO 14001 and BS EN ISO 9001. Structural design is in accordance with BS 8110 Part 1.

Read more at:

[www.charconcs.com/stairs](http://www.charconcs.com/stairs)



Bespoke connection detail created during manufacture to assure accuracy and strength



An architectural finish can consist of shape, surface quality, colour and material



A sample from all batches of concrete produced are bath cured and pressure tested in accordance with ISO 9001

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