



Giving your project
the technological edge





CONSTRUCT Group

Advances in manufacturing, materials and IT are changing the way we can design and build.

Inspiration - at Construct Group we are using this cutting edge technology to develop a product portfolio which is revolutionary in design, environmentally friendly and cost effective.

Expertise - we have brought together highly skilled professionals to ensure that we focus on finding the best solution to meet individual project needs.

Experience - our first class team of designers, engineers, project managers and manufacturers have hands-on experience of construction projects and also the operational expertise to help guide you from conception to completion.

Peace of Mind - to find out how the Construct Inspiration, Expertise and Experience can help you, please contact us at info@constructstadia.com.

Benefits

Construct Car Parks offer a commercial viability study, total operational and structural design, and full project management, both for manufacturing and installation.

- Bespoke and tailored to meet individual requirements
- Flexible, either stand-alone or to extend an existing site
- Built to the highest safety codes
- Easy to extend – uninterrupted parking operation of existing site
- Manufactured to a guaranteed high quality, with aesthetic integrity to complement its environment
- Delivered, finished with non-slip surfaces
- Installed quickly – 150 spaces within 5 days
- Versatile and adaptable – to utilise difficult spaces or uneven ground
- Environmentally friendly – can be relocated or resold
- Exterior cladding and design options, sheltered parking
- Cost effective solution, reduced manufacturing and installation times





Applications

- Sporting venues
- Transport stations – airports, trains, bus
- Retail centres and supermarkets
- Hospitals
- Leisure and conference centres
- Business parks and offices
- Universities and schools
- Concerts and trade shows
- Temporary solution during construction or renovation period

Additional Services

- Access equipment
- Electronic number plate recognition systems
- Intelligent billing
- Full operational service on behalf of owner
- Pre-construction viability study

Technical Specification

- Standard modular deck units and column grids to suit regional requirements
- Minimum height clearance to underside of beams is 2.5m
- Deck parking structure is made from a modular steel frame and composite deck system
- Ramp gradients vary between 1:7 and 1:10, with 1:12 gradient at both top and bottom connection points.
- Both Decks and Ramps are finished with a superior resin-based grit coated surface, providing excellent slip resistance.
- Accessibility will be fully compliant with regional legislation.
- Structural design loads to be a minimum criteria in BS 6399
 - *Dead load = 1.5 KN/m²*
 - *Live load = 2.5 KN/m²*
 - *Wind load/Snow drift = BS 6399*
- Column Impact – the structural frame carries all imposed loads on removal of any column to reduce the risk of any column failure due to impact from a vehicle below.
- The design complies to the structural fire requirements outlined in:
 - *National Standard for Steelwork Design (BS 5950, Part 8, 2003)*
 - *European Standard for Steel Design (BS EN 1993-1-2)*
- Foundations – Construct Car Parks' structural engineers can carry out any site investigation reports and provide the client with a site-specific foundation design.

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