

COMMERCIAL DEVELOPMENT PROJECTS - using the Speedfloor system



Industrial Units, Nth Harbour



Luna Apartments, Auckland

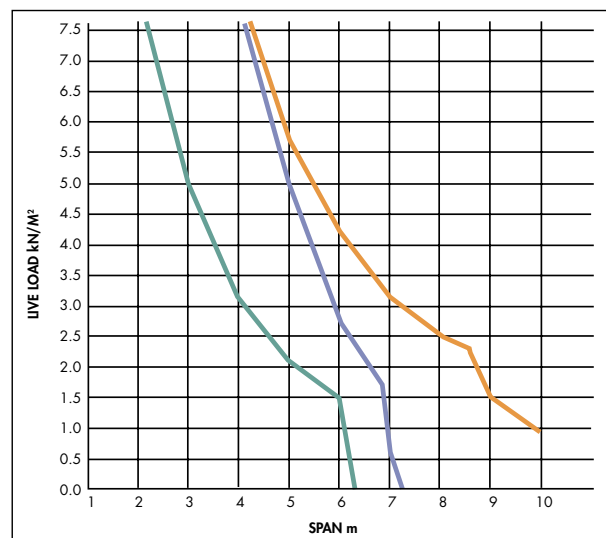


D&H Head Office, Waitakere



Madison, Auckland

LOAD SPAN GRAPH - 90mm TOPPING



SPEEDFLOOR

The unique suspended concrete flooring system

lighter

easier

faster

SPEEDFLOOR

The unique suspended concrete flooring system

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ON TRACK TOWARDS THE FUTURE

Generic Carpark

SPEEDFLOOR

The unique suspended concrete flooring system

Dear Sir,

We understand you are interested in the concept of the **Speedfloor** Generic Carpark.

We have developed this medium sized carpark structure with diversity in mind. The Carpark can be built one level at a time up to 3 levels or extensions to each level when and if more parking is required.

The cost effective steel frame uses long spanning Custom Welded Beams with the **Speedfloor** suspended concrete floor system to form a lightweight open structure that utilises a light weight concrete planter box as a perimeter guard rail, forming a strong 'green' connection.

Included in this introduction pack are stylised drawings of a 3 storey carpark as well as pictures of an existing single level carpark in Newmarket, Auckland built to a similar design.

If you would like further information or have a query regarding the **Speedfloor** system feel free to contact us or visit our website www.speedfloor.co.nz

Yours faithfully

Graeme Stubbing
General Manager
Speedfloor Ltd

3 Level Speedfloor Generic Carpark

Can be built as a single level with levels 2 and 3 added later requiring minimum disruption to the existing parking deck.



The combination of long spanning cantilevered Custom Welded Beam & Speedfloor, reduce the number of columns required and increase the options for parking layouts.

The simplicity of the ramp and access stair design, allow for a number of design options relating to where and how vehicles and occupants will access the carpark.



RECENT PROJECTS



Carpark, Auckland Hospital



Dress Smart Carpark, Auckland

The clever design and standard dimensions of the planter box allow them to be unbolted and moved to a new location if the carpark deck is to be extended.

The lightweight precast concrete planter box that surrounds the parking deck includes a hand rail and provides an edge barrier for vehicles and patrons.



The steel structure can be zinc sprayed and coated with a paint system to achieve the 50 year performance criteria set out in B2, Durability of the NZ building code. The Speedfloor joist is manufactured from G350, Z275 HDG coil.

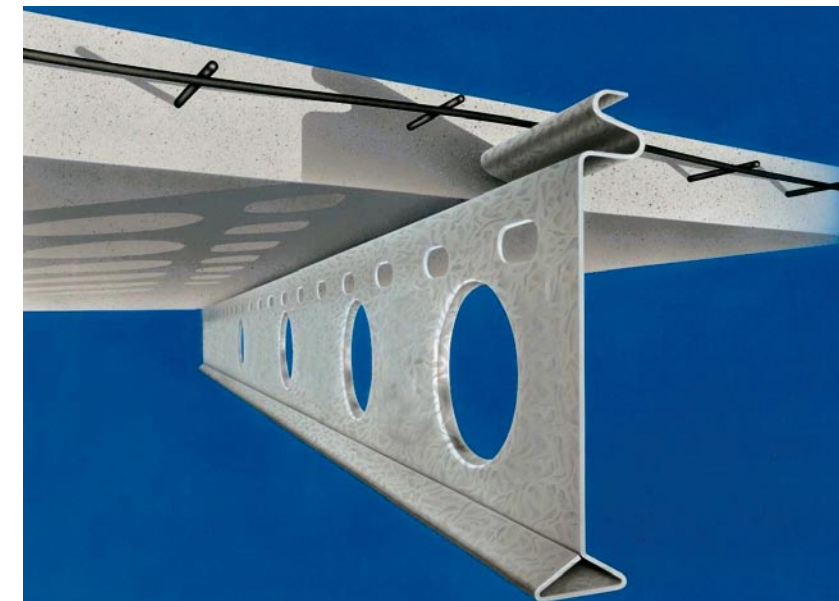
The Speedfloor suspended concrete flooring system uses a roll formed joist as an integral part of the composite floor.



The roll formed shape with its pressed web produces a rigid and accurate steel section that has a high load carrying capacity and therefore good spanning characteristics with no propping requirements.

Specifically designed holes in the Speedfloor joist allow for services such as lighting and security to be safely accommodated within the joist depth.

Speedfloor roll formed joist design.



RECENT PROJECTS



Carpark, Manukau Institute of Technology



Retail Carpark & Apartments



Minimising the number of columns allows for unusual access and parking layouts to be accommodated.



The solid edge barrier dimensions create safety and security to the deck edge.



The carpark can be built on existing paved areas with minimal disruption to the current parking layout.



The owner of this carpark is pleased that extra parking could be added to this difficult site and is contemplating a further level to maximise the potential of his multi-storey building.

The lightweight joists are delivered to site using a HIAB and in most instances require no craneage.

The system requires no props so that 3 days after the concrete deck is poured the area underneath is returned to parking service.

- Performance
- Sustainable
- Simplicity
- Cost Effective

RECENT PROJECTS



Kyber Pass Carpark, Auckland



Metropolitan Carpark, Auckland