



## MFL Structural Steel Mezzanine Floors

The design, manufacture and installation of Mezzanine Floors to suit Specific requirements for the creation of additional space

### Features include:

- Lightweight and economical design
- Complete design, delivery and installation
- Conforms to BS5950 or BRE Digest 437
- Powder coated ancillaries
- Height up to 7 metres
- \* Fully extendable
- \* Easily relocated
- \* Professionally Installed
- \* Spans up to 15 metres
- \* Choice of decking



### Design:

All our Mezzanine Floors conform to structural steel Code BS5950: Parts 1 & 5 or BRE Digest 437. Ancillaries such as staircases, handrails, Kickplates and ladders are designed to conform to BS 5395: Parts 1 & 3. Design is to suit the loading category of Intended use as covered by BS 6399: Part 1

### Introduction:

The company's sales and design team have over 25 years combined experience in structural flooring.

### Applications:

The system is designed for the use in **industrial, storage, commercial, retail and office facilities** where an increase in floor space is required. The lightweight construction will enable the system to be built directly onto the existing ground slab normally without foundations.

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## DESCRIPTION

**Main Beams:** hot rolled universal beams finished in a single coat of paint.

**Secondary Beams:** cold formed c section channels manufactured from pre hot dipped galvanized steel to BS EN 10147 Grade S390 GD + Z275.

**Columns:** from hot rolled square hollow section Or universal columns finished in a single coat of paint.

**Decking:** various types which include:

- 38mm high density particle board P6
- 38mm moisture resistant board P5
- Chequer and plain steel plate
- Open mesh flooring
- Concrete hollow core planks with screed

Decking materials can be treated for Class O spread of flame for fire safety in accordance with Part B of Building Regulations.

**Staircases:** Fully welded with rolled hollow section stringers, treads from a choice of durbar steel plate, open mesh, hardwood or softwood. Complete with hand & knee rails. Powder coated.

**Handrailing:** Powder coated tubular hand and knee rails supported by rolled hollow section posts

**Kickplates:** Powder coated edge protection from flat Plate.

**Safety Gates:** Designed to protect personnel at exposed openings on the floor edge. We only recommend the installation of a roll up & over pallet gate although other types are available on request.

**Cat Ladders:** Provide an additional means of escape In case of fire. They are vertically fixed ladders with Attached safety cages.

**Fire Rating:** The underside of the structure can be fire Rated up to 1 hour using a suspended ceiling, fire rated Column casings and fire rated fascia boards to all open Edges.

**Dimensions:** Main beams may span up to 15 metres Dependant on loading requirements. Columns may be up to 7 metres high.



**Appearance:** decking timber is in a natural finish. All main steelwork and hand and knee rail is finished in A single coat paint finish Blue RAL 5010 or Grey RAL 7024.

Perimeter kick plates powder coated Red RAL 3001 as Standard.

All other RAL or BS colours are available on request at An extra cost.

## SERVICES

**Mezzanine Floors (Leeds) Ltd** offer a full technical service that comprises:

- Full site survey
- Full design, specifications and construction details on Auto Cad drawing system.
- Production of fully detailed construction drawings and calculations.
- Handling of applications to local authority for building regulation approval.
- Accurate costings
- Supply , installation and commissioning.

## WE ALSO SPECIALISE IN

- Office partitioning and refurbishments
- Electrical installations, lighting, alarm systems, smoke detection etc.
- Fire protection
- Mezzanine Goods Lifts.

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