



T2 Storage Solutions Ltd

Structural steel mezzanine floors for office, retail, storage, warehousing and production environments.

Designed and installed to fully comply with all aspects of the Building Regulations, CDM and Health and Safety requirements. Each floor being individually designed to suit specific requirements creating a cost-effective way of utilising extra usable space, are fully extendable and can be relocated.

INTRODUCTION

T2 Storage Solutions floors are designed by structural engineers to provide the most cost effective solution where additional floor space is required.

Our services include working with an established design team or we offer a personalized design & build service for a purpose built structure for a project, at the lowest possible cost.

T2 ensure optimum design and performance using the latest computer technology to meet the client's immediate and future requirements. Savings are usually generated at the concept stage and hence the earliest possible involvement is recommended. T2 undertake contracts across the U.K. with show sites in all areas.

Our latest in house computer design software ensures a quick accurate turnaround from quotation to installation.

DESCRIPTION

Each T2 mezzanine floor is individually designed from a clients brief. Our engineers are able to advise on design and layout to ensure the optimum solution is achieved.

Floors from 50m² to many thousands of m² have been installed, single or multi-tier to a wide range of loading applications including Retail, Office, Storage, Production, Leisure & Warehousing.

T2 Storage Solutions Ltd are able to provide a full integrated turnkey fit out package including fire rating, electrics, air-conditioning, fire alarms, partitioning, conveyors etc.

Composition of Mezzanines

Basic Design – Steel frame consisting of structural steel columns supporting mains beams (hot rolled grade 43 or 50 UB's) inset with galvanized steel secondary joists (cold formed inward lipped C channels manufactured from pre-hot dipped to BS EN 10147 grade S350,GD+Z coating G275).

Columns are connected to steel base plates which are anchored to ground slabs / foundations depending on site conditions. The Mezzanines are demountable and T2 provides technical advice in relation to imposed loads on existing structures.



Deck materials: 38mm high density particle is the most preferred option – although we are able to design and supply , steel / aluminum overlays, open mesh , plywood etc.

Load capacities: T2 designs to meet or exceed all relevant load capacities as defined under the Building Regulations and British Standards. Loadings can range from 2.5 KN/m² (50 lb/ft²) to 15 KN/m² (300 lb/ft²) as standard.

Accessories: A complete range of accessories includes staircases, handrails, loading gates, ladders and full height screening.

Fire protection: T2 advises on all aspects of fire escape, permissible travel distances, the need for fire protection to the elements of mezzanine structures etc.

Advice & Design: Initial consultation, development of design concept and quotation are all free of charge and generally available within 48 hours of first enquiry.

Delivery: Usually within four weeks from client approval of design layouts, depending on floor size and complexity. More rapid fabrication is possible on special request.

Installation: Expert site installation teams can construct T2 mezzanines at a rate of up to 100 m² a day, completing an average 500 m² floor in one working week.

Services: A full quotation to installation service. Including site survey, computer generated quotations, individual project management from your nominated contracts manager, CAD drawings, structural calculations, building regulation approval, Building inspector liaison and approval through to CDM installation, completion and commissioning.

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