

# Rack Supported Mezzanine Floor

**Brand:**

**Product Code:** 1

**Availability:** In Stock

**Weight:** 0.00kg

**Dimensions:** 0.00mm x 0.00mm x 0.00mm

**Call for Price:**

## Short Description

A rack-supported mezzanine floor is a versatile, space-saving storage solution that utilizes existing pallet racking to create an elevated platform. This design maximizes vertical space by adding an additional level, allowing for more efficient storage of goods without expanding the footprint of the building. The mezzanine floor can be customized to suit various industrial and commercial needs, providing additional workspace, storage, or office space, while maintaining easy access to the items stored below. This system is cost-effective and adaptable, making it ideal for warehouses and distribution centers looking to optimize their storage capacity.

## Description

A rack-supported mezzanine floor is a highly effective storage solution that maximizes the use of vertical space within a warehouse or industrial setting. Unlike traditional mezzanine floors, this type of system is built on the existing pallet racking structure, providing a stable and robust platform for additional storage or workspace. The design leverages the strength of the racking to support the mezzanine, eliminating the need for additional support columns and thus maintaining the flexibility and functionality of the storage area beneath.

These mezzanine floors are incredibly versatile and can be customized to meet the specific needs of a business. They are ideal for warehouses and distribution centers looking to expand their storage capacity without the need for extensive construction or expansion of the existing building. The elevated platform can be used for various purposes, including additional shelving, office space, or even as a staging area for assembling or packing goods. This adaptability makes rack-supported mezzanine floors a cost-effective solution for businesses seeking to optimize their operations and make the most of their available space.

## **Specifications**

### **1. Structure:**

- Typically constructed using high-quality steel.
- Can be designed as a single-story or multi-story mezzanine, generally 2-3 floors.
- Supported by the existing pallet racking structure, eliminating the need for additional support columns.

### **2. Load Capacity:**

- Medium-duty racking: 50-500 kg per layer.
- Heavy-duty racking: 500-2000 kg per layer.

### **3. Dimensions:**

- Customizable to fit the specific requirements of the warehouse or industrial space.
- The number of layers is determined by the height of the warehouse and the stacking of goods.

### **4. Accessibility:**

- Equipped with staircases, handrails, and cargo lifts.
- Transportation methods for goods to the upper floors include labor, lifting platforms, hoists, conveyor belts, and forklifts.

### **5. Decking:**

- Various decking options available, including steel grating, wood, or composite materials.
- Designed to support the intended load and usage.

### **6. Safety Features:**

- Guardrails and handrails for safety.
- Compliance with national, state, and local building codes and safety standards.

### **7. Versatility:**

- Can be used for additional shelving, office space, production workshops, or service areas.
- Easily disassembled and reconfigured as needed.

## **Pros & Cons**

### **Pros**

#### **1. Space Efficiency:**

- Maximizes vertical space without expanding the building's footprint.
- Provides additional storage, office space, or work areas.

#### **2. Cost-Effective:**

- Utilizes existing pallet racking, reducing the need for extensive construction.
- More affordable compared to building a new structure or expanding the facility.

#### **3. Customizable:**

- Can be tailored to meet specific business needs, including different load capacities, deckings, and accessibility features.
- Easily reconfigurable or disassembled as requirements change.

#### **4. Enhanced Accessibility:**

- Features staircases, lifts, or conveyors for easy movement of goods and personnel between levels.
- Improves workflow and efficiency within the warehouse.

#### **5. Versatility:**

- Suitable for various applications, such as additional shelving, office space, production workshops, or staging areas.
- Adapts to the evolving needs of the business.

### **Cons**

### **1. Initial Investment:**

- Requires an upfront investment for installation and customization.
- Although cost-effective in the long run, the initial expenditure might be significant for some businesses.

### **2. Structural Limitations:**

- Dependent on the strength and capacity of the existing pallet racking.
- May not be suitable for very high loads or certain types of goods.

### **3. Compliance and Safety:**

- Must comply with building codes, safety standards, and regulations.
- Requires regular inspections and maintenance to ensure safety and structural integrity.

### **4. Potential Disruptions:**

- Installation may cause temporary disruptions to warehouse operations.
- Reconfiguration or disassembly might also impact daily activities.

### **5. Weight Distribution:**

- Requires careful planning to ensure even weight distribution and avoid overloading the racking system.
- May need additional bracing or reinforcement in some cases.

## **Product Gallery**

