



Rack Based Mezzanine Floors

Rack Based Mezzanine Floors an Economical Solution

Rack based mezzanines are the most economical way to create an additional floor level using standard pallet rack components for additional storage space. The solution can double your floor space by utilising overhead warehouse space, whether in a new facility or expanding your existing floor space.

Standard rack based mezzanine can span up to three metres. It can also be custom designed where larger clearances are required. The depth of the mezzanine can be any size that fits into your warehouse. Catwalk systems can be incorporated between storage areas expanding the mezzanine work platform.

Using standard pallet rack uprights and components, medium-duty and heavy-duty mezzanine floors can be assembled.

Our experience in designing, engineering, installing, and permitting industrial mezzanine rack based systems can assess your mezzanine floor design and provide you with the best racking system solution.

Depending on your inventory load, the design can incorporate a wide range of flooring materials including plywood, particleboard, steel planking, and steel grating. In addition, specialist material handling equipment can be incorporated into a mezzanine floor design, such as conveyors, goods chutes, goods lifts, and pallet load gates. A mezzanine loading zone is designated as a specific area for accessing materials between the warehouse floor and the mezzanine floor.

Each rack based mezzanine area design includes staircases, handrails, pallet loading gates, and safety signage. Additionally, shelving levels can be incorporated into the structure to provide long span shelf levels, or freestanding modular units can be positioned between frames for smaller item storage.

Fire protection systems can be incorporated into the design, and lighting and sprinklers may be required under the mezzanine floor. These requirements will depend on the storage application, type of storage commodity, existing fire suppression system, and local building codes.

Bowen Storage can prepare your permit drawings, engineering calculations, submit the applications, and assist with obtaining building permits for your rack based mezzanine.

Our rack based mezzanine floor storage system options are usually freestanding and can be dismantled and relocated if required. They utilise the cubic area of warehouses and maximise your storage space.



Melbourne Office
11 Dalmore Drive, Scoresby VIC 3179

Sydney Office
Level 6, 10 Herb Elliott Avenue, Sydney Olympic Park, NSW 2127

Brisbane Office
4 Trade Street, Lytton QLD 4178