

Sperrin Metal Pallet Racking Installation Guidelines

The following general points must be followed regarding installation of your Pallet Racking:

There is a separate section with detailed instructions for each of the following:

- 1) Standard Pallet Racking
- 2) Drive-In Racking

Who is erecting the racking?

Erection of Pallet racking is a skilled undertaking and should only be undertaken by experienced and knowledgeable construction teams. It is not advisable that pallet racking is erected or moved by any individual without the necessary level of experience. The layout should not be altered in any way without consulting your racking supplier. Sperrin Metal has its own installation teams and recommends that you employ it to install the racking if you do not have experience in such installations.

Health & Safety

It is always advisable that a method statement and risk assessment is carried out before any installation commences. The erection of your pallet racking may fall within the Construction Design and Management 2007 Regulations and it is important that this is adhered to in all pertinent installations.

Floor Slab

We recommend that you obtain independent verification that your floor is of suitable construction to erect pallet racking and capable of sustaining the weight of the racking and the goods it will hold, to its maximum loading capacity. It is also important to verify that the floor is suitable to securely floor fix pallet racking, in line with the manufacturers requirements.

Plant

When installing pallet racking consideration should be given to the safe use of any plant or access equipment as specified by 'The Provision and Use of Work Equipment Regulations 1998', and should only be operated by a suitably qualified individual. Any operation should be carried out in line with the appropriate manual handling regulations.

External use

Racking should only be erected externally if the design has first been approved by your racking supplier.

Assembly of racking

The pallet racking must be assembled in accordance with the manufacturer's instructions. The racks should be levelled to the appropriate SEMA/FEM design code and the uprights floor fixed as specified by the manufacturer.

Components

Frames

A Frame is constructed from uprights, brace components and base plates. It is important that these frames are assembled according to the manufacturer's instructions for the specific size and height of frames supplied. The duty of the upright supplied will have been specified by your racking supplier to meet your requirements. The upright may be in more than one section in which case a joining splice will be supplied. Adjacent Frames in double sided racking should be connected by row spacers which add stability to the structure.

Fixings must be used to secure the racking to the floor. The type of fixings, base plates and number of fixings per base plate are to be specified by the racking supplier.

For uneven floors and to ensure the racks can be erected to the appropriate SEMA/FEM installation tolerances, levelling plates should be located under the base plates. If a stack of levelling plates exceed 40mm the levelling plate should be tack-welded together, however the overall stack of the levelling plates should not be greater than the vertical adjustment of the upright.

Beams

The beams should be inserted between the uprights of two frames and positioned at the height specified by the racking design provided by your supplier. No changes should be made to this positioning without consulting your supplier. To attach the beams to the frames they should be located into the slotted holes punched into the front face of the upright. This position should then be securely retained in position by inserting the safety keys provided. These keys are designed to prevent the beam from being accidentally dislodged. The keys are designed to fail should an upward force endanger the overall stability of the rack.

Load Notices

These should be supplied on completion of the installation by your racking supplier, and fitted to the racking at regular intervals, in prominent positions where they are clearly visible to all operators.

When using the racking please refer to the appropriate guidelines for the use of pallet racking.

No alterations or adjustments should be made to the pallet racking without first contacting the supplier.

If in doubt always consult your racking supplier.

Important Information

All pallet racking MUST be erected and levelled in accordance with the relative guidelines, please refer to your racking supplier if you are unsure. Please refer to SEMA Code of Practice for the use of Racking. If in any doubt please contact the manufacturer Sperrin Metal Storage Products on (0044)28 7962 8362