



# The Importance of Racking Safety and Compliance

**Installing the right warehouse storage solution means delivering on employee safety and complying with Australian standards.**

Pallet racking in Australia is covered under the Australian Standard AS 4084 2023 Steel Storage Racking. This standard deals not only with design but also covers racking installation, operation, modifications, and maintenance. When buying pallet racking, it is essential that you make sure the rack system is not only designed to the standard but is installed to the standard and is operated and maintained in accordance with the standard.

To comply with Australian work safety laws, all industrial storage systems are also required to be inspected by a qualified professional every 12 months, and have

certified safety signage to indicate the maximum unit load rating for each shelf level.

These safety and compliance factors need to be considered early in the planning and design phases. By installing the right storage solution in your facility the first time, which delivers on employee safety and compliance over the long term, you will be protecting your investment well into the future.

## **Thorough storage solution design**

A storage solution professional requires knowledge of local safety and compliance standards, as well as accurate information regarding load dimensions and weights, to design the best-fit solution for your requirements.

Any pallet racking used in the workplace should be designed specifically for the size,

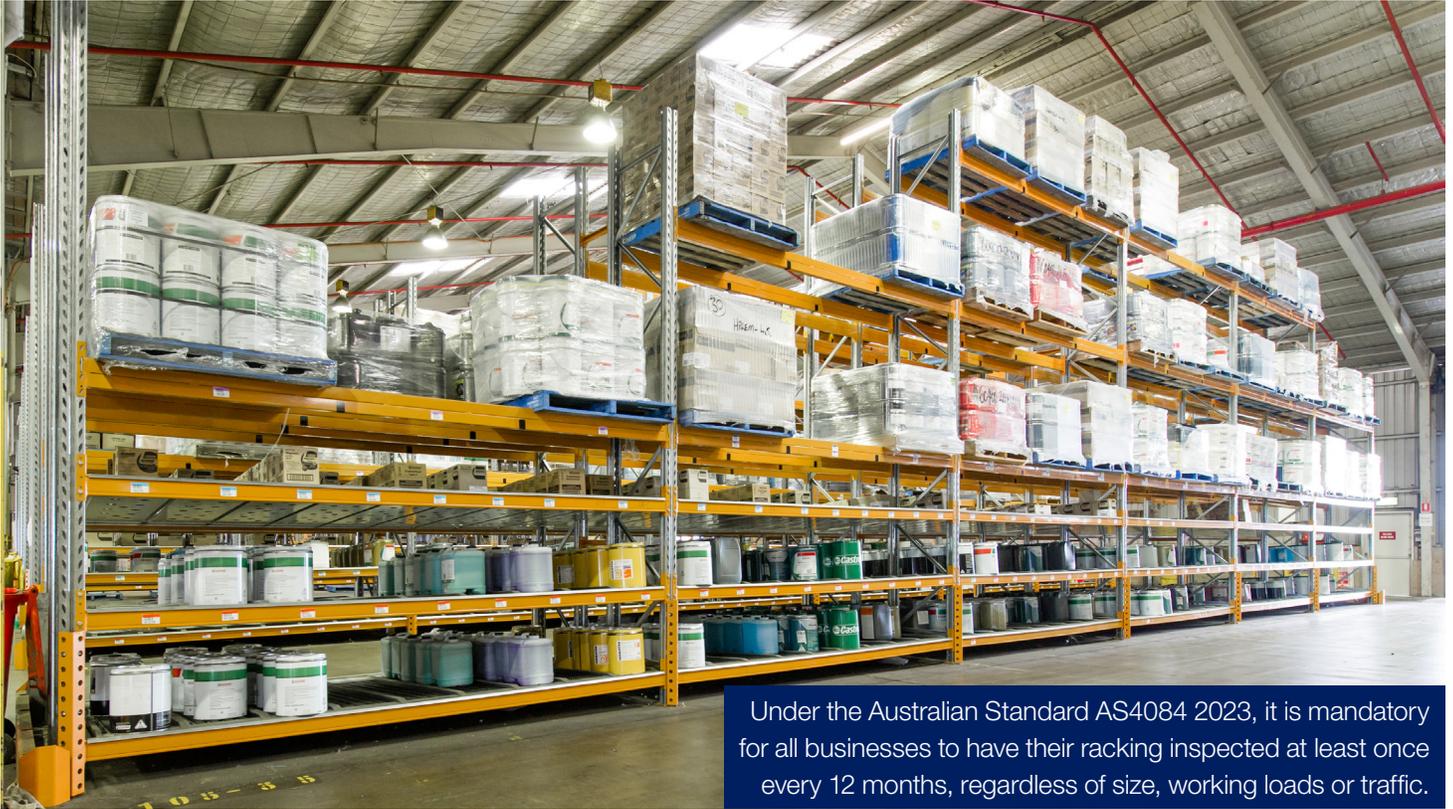
shape and weight of the products being stored. It is also important that all racking is set up and maintained according to the manufacturer's instructions.

The racking layout should be compatible with the material handling equipment used in the workplace. For instance, the aisle width should match the turning circle of the forklift used for picking and replenishment.

The layout should also consider emergency access, adequate lighting, and any manual handling activities.

## **ColbySURE Certification**

The structural integrity of Dematic's ColbyRACK is ensured through our ColbySURE program, a proprietary software tool developed in-house by Dematic's world-renowned structural engineers.



Under the Australian Standard AS4084 2023, it is mandatory for all businesses to have their racking inspected at least once every 12 months, regardless of size, working loads or traffic.

ColbySURE certification is the ColbyRACK product performance badge of excellence, and means that your system will always meet, and often exceed the safety standards inherent in AS 4084 2023. Through the automated generation of ColbySURE certification letters, customised to a particular racking configuration, we can guarantee the load capacity and strength of the ColbyRACK.

ColbySURE can be relied upon to produce safe rack designs, thereby protecting your staff and products, giving you peace of mind, and helping you fulfil your Duty of Care responsibilities.

The safe racking designs, confirmed by ColbySURE are recorded on safe load signs attached to all ColbyRACK installations.

Due to Dematic's comprehensive OHS systems, ColbyRACK is also accredited to the ISO 45001 Occupational Health and Safety Management System specification.

### Annual inspections

Under the Australian Standard AS4084 2023, it is mandatory for all businesses to have their racking inspected at least once every 12 months, regardless of size, working loads or traffic.

These audits look at a range of potential problem areas such as whether beams are overloaded, damaged or missing parts, whether anchor bolts are missing or loose, whether load signs are legible, whether uprights and footplates are damaged, whether the racking is vertical, and whether braces are damaged.

Colby Storage Solutions by Dematic can assist with these regular racking health checks by auditing and inspecting your system. Colby will make recommendations for any damage repairs, helping you ensure compliance and safety for your employees.

### Consult the experts

Dematic's engineers are experts on racking standards and are always available to discuss your individual racking needs or any questions you might have about the application of standards.

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