

Pallet racking

If you have a building where the storage area contains pallet racking, the information you need to supply with your consent application will depend on the situation.

If your building is used by the public and storage areas contain pallet racking

Pallet racking where the pallet base is below 2m from the ground

Consent application to include

- floor plan location and racking layout
- racking elevations
- racking installation/assembly details
- PS1 for B1 structure relating to the racking system
- a fire safety statement showing racking location in relation to escape paths within the building including (where applicable)
 - amended emergency lighting design & PS1
 - amended exit signage design.

Pallet racking where the pallet base is above 2m from the ground and/or shelving systems where stock is stored with a base height above 2m

Consent application to include

- floor plan location and racking layout
- racking elevations
- racking installation/assembly details
- PS1 for B1 structure relating to the racking system
- a fire report with an assessment of effects of racking/shelving on existing escape routes and features such as emergency lighting and exit signage, including (where applicable)
 - amended emergency lighting design & PS1
 - amended exit signage design
- consideration of Building Act s112 requirements
- structural assessment of existing floor structure to accept new loads and a construction monitoring proposal by the design engineer where high storage with pallet base above 4m in height.

Buildings where the storage area containing the pallet racking is not used by the public

Pallet racking where the pallet base is less than 2m from the ground (storage height below 3m)

- Are considered to be low risk
- Building consent not required
- A building owner tenant or racking installer can make an application for exemption from building consent to have a formal site specific acknowledgement of this, to show that the racking installed would be within this scope of assessment.

Pallet racking where the pallet base is between 2m and 4m from the ground requires building consent or a formal application for exemption from building consent.

Consent applications to include

- floor plan layout and racking layout
- racking elevations
- racking installation/assembly details
- PS1 for engineering relating to B1
- construction monitoring requirements by designer, if any
- a fire report from an experienced fire safety design professional that considers all impacts of the buildings fire design in relation to the racking installation, including (where applicable):
 - amended emergency lighting design & PS1
 - amended exit signage design.

Building consent is required as opposed to an exemption

- if there are any changes to fire safety elements (e.g. alarm type, signage, emergency lighting, etc) are required to comply with the building code, or
- if there is no construction monitoring of the installation by the design engineer or their representative.

Pallet racking where the pallet base above 4m from the ground requires building consent

Consent application to include

- floor plan location and racking layout
- racking elevations
- racking installation/assembly details
- PS1 for engineering relating to B1 for racking
- assessment of existing floor structure to accept new loads
- construction monitoring proposal from racking designer/manufacture

- a fire report from an experienced fire safety design professional that considers all aspects of the buildings fire design in relation to the racking installation, including (where applicable)
 - amended emergency lighting design & PS1
 - amended exit signage design
- consideration of Building Act s112 requirements.