

walkway and accessway grating fabricated from aluminium load bars held by aluminium cross bars

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include technical information by manufacturer and either an independent assessment or reference to an industry-based scheme



Perry confirms that this minimum level of assurance has been met or exceeded by the following:

Perry Grating

[Technical Standards](#)

Technical Statement

Product Description

Perry Aluminium Grating is walkway and accessway grating fabricated from aluminium load bars spaced and held by aluminium cross bars, forming an open grid.

Load bar options include but are not limited to 3mm, 5mm, or 7mm thickness. Grating depth starts at 20mm and sizes above this are specified depending on product application and loading.

Cross rod bars are a swaged 15mm x 5mm flat bar, and are swaged together with the load bar creating a panel with complete integrity.

All panels once cut to size are banded at the open ends to provide additional transverse stiffness and a finished architectural appearance.

Perry Aluminium Grating can be supplied with 15 micron anodised or powder coated finishes.

Perry Grating can manage the entire project specification, from drawing and layout specification, through manufacturing and quality control to delivery and installation. Where required, a PS1 supporting specific design can be provided.

Scope of use

Perry Aluminium Grating is designed to provide walkway access in a wide range of industrial, processing and public access situations.

It can also be used as a vertical or horizontal screen.

Aluminium Grating is an excellent choice for food processing facilities as well as the following applications:

- Walkways - marine, industrial, food processing
- Trafficable Louvres
- Facade panels & sunscreens
- Industrial plants - wastewater / sewerage / chemical / food / dairy

Perry Grating Aluminium Grating options are recommended for its lightweight features (1/3 of the weight of mild steel) and corrosive applications.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3, B1.3.3(a), B1.3.3(b), B1.3.3(f), B1.3.3(h), B1.3.4, B1.3.4(a), B1.3.4(b), B1.3.4(c), B1.3.4(d), B1.3.4(e)
- **Clause B2 Durability:** Performance B2.3.1(b)
- **Clause D1 Access routes:** Performance D1.3.3(b), D1.3.3(d)
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Notes

B1 Structure: Perry Aluminium Grating complies with the structural requirements of B1.3.1, B1.3.2 for the relevant actions of B1.3.3 (a, b, f, h), and B1.3.4.

B2 Durability: Perry Aluminium Grating meets the durability requirements for B2.3.1 (b) fifteen years

D1 Access: Perry Aluminium Grating installed in accordance with the manufacturer's instructions is free from dangerous obstructions and from any projections likely to cause an obstruction. It satisfies the requirements of D1.3.3(b) and meets the slip resistance requirements of D1.3.3(d) when both dry and wet.



masterspec partner

Company Contact Details



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Website:	https://perrygrating.co.nz/

F2 Hazardous Building Materials: Perry Aluminium Grating does not emit any harmful materials and satisfies F2.3.1.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

Perry Grating will supply a PS1 as a path to compliance. Please contact directly for further information. Email: grating@perry.co.nz

Perry Aluminium Grating complies with AS1657:2013 Fixed platforms, walkways, stairways and ladders – Design, construction and installation which is referenced as an Acceptable Solution in D1/AS1 for access routes for service and maintenance personnel.

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

Perry Grating
[Technical Standards](#)

Use in Service History

Perry Aluminium Grating has been installed in facilities for over 15 years.

Product Criteria

Design requirements

Load bar options include but are not limited to 3mm, 5mm, or 7mm thickness. Grating depth starts at 20mm and sizes above this are specified depending on product application and loading.

See the Load Tables for Aluminium Grating in our online [Product Catalogue](#), or [contact](#) Perry Grating for assistance with the appropriate grating type for specific applications.

Installation requirements

Panels are supplied to site, banded for installation. Perry Grating fixings clips are recommended for securing grating to the support structure. Neoprene spacers are recommended when using stainless steel clips on aluminium grating.

Maintenance requirements

Perry Aluminium Grating may require a cleaning and maintenance schedule based on the environment in which it is used.

Warrantees

[Contact](#) Perry Grating for a conformance letter based on element exposure and application.

Company Product Information

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made



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