

walkway and accessway grating for severe corrosive environments

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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 Stainless Steel Grating is walkway and accessway grating ideally suited to applications where the potential for rust or corrosion is a major consideration.

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.

Load bars and twist rod bars are a minimum of 6mm thickness, and are forge welded together 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 Stainless Steel Grating is fabricated from grade 304 or 316 stainless steel.

As produced, stainless steel products typically display discolouration caused by the introduction of heat during welding, cutting or grinding processes. If appearance is important to your application, consideration should be given to secondary cleaning or electro-polishing.

Mill Finish Products will display discolouration from welding, cutting and grinding. Satisfactory for industrial or process applications where appearance is not a consideration.

Commercial Clean A uniform, matt finish is achieved by abrasive blasting followed by passivation to remove manufacturing contaminants.

Electro-Polished A bright, chrome-like appearance achieved by immersion in chemicals that clean and "polish" the base metal.

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

Stainless Steel Grating is an excellent choice for:

- Stairs & Walkways
- Food Processing Plants
- Dairy Factories
- Platform & Decking
- Drainage Grates

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 Stainless Steel 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 Stainless Steel Grating meets the durability requirements for B2.3.1 (b) fifteen years



masterspec partner

Company Contact Details



Company:	Perry Grating
Physical Address:	97 Hull Road Mt Maunganui TAURANGA
Postal Address:	97 Hull Road Mt Maunganui TAURANGA
Telephone:	64 07 5779448
Email:	grating@perry.co.nz
Website:	https://perrygrating.co.nz/

D1 Access: Perry Stainless Steel 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.

F2 Hazardous Building Materials: Perry Stainless Steel 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 provide a PS1 as a path to compliance. Please contact grating@perry.co.nz for further information.

Perry Stainless Steel 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 Stainless Steel 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 Stainless Steel 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 316 grade stainless steel fixings clips are recommended for securing grating to the support structure.

Maintenance requirements

Perry Stainless Steel 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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