

Gerard LV200 Free-flow Port & G110 Sanitary Port



Product Technical Statement: 109398

Ventilation solutions for passive and mechanical vents, matched to Gerard's profile range.

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Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



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

New Zealand Metal Roofing Manufacturers Association

[MRM](#)

Technical Statement

Product Description

- Discreet, low-profile solutions suitable for both mechanical and passive vent systems.
- Compatible with seven Gerard profiles – Vent is supplied installed on a base plate shaped to fit desired profile.
- Installed as fully integrated, interlocking part of a Gerard pressed steel roof system.
- Covered by Gerard Roofs' warranty when installed as part of a Gerard pressed steel roof system, and by a Gerard Certified Roofer (GCR).

Gerard Free-flow Port (LV200 series):

- Ideal for kitchen, bathroom and laundry applications in new builds and renovations.
- 220mm² area, 160mm diameter outlet, can be reduced to Ø 150/130/125/110/100mm with supplied multi-adaptor accessory.
- Vent and pipe manufactured from HIPS (High Impact Polystyrene), so ideal for highly corrosive areas.
- Designed to divert rain and prohibit the entry of insects and snow.

Gerard Sanitary Port (G110 series):

- Ideal for sanitary ventilation, it can also be used for living quarters such as kitchens and laundry rooms, or as a stack pipe.
- 110mm outlet, which can be used to fit the supplied Flexi Pipe accessory. The Flexi Pipe is 600mm long, and reduces outlet size to Ø 70/100 mm.
- Vent and pipe manufactured from HIPS (High Impact Polystyrene) and is ideal for highly corrosive areas. Insulation of the pipe manufactured from EPS (Expanded Polystyrene).
- Designed to divert rain and prohibit the entry of leaf fall.

Scope of use

Suitable for use in new builds and roofs being refurbished using Gerard pressed steel system:

- 15–45 degree in pitch.
- Wind zones up to and including extra high as defined in NZS3604:2011.
- All corrosion zones as defined in NZS3604:2011.

The Free-flow and Sanitary Ports can be matched to most profiles, and applicable colour and textures in the Gerard range.

(Unique product ID in brackets):

- Alpine & Rockport: Free-flow Port (**LVA200**) / Sanitary Port (**AG110**)
- Colortile: Free-flow Port (**LVT200**) / Sanitary Port (**TG110**)
- Corona: Free-flow Port (**LVC200**) / Sanitary Port (**CG110**)
- Milano: Free-flow Port (**LVM200**) / Sanitary Port (**MG110**)
- Senator: Free-flow Port (**LVOB200**) / Sanitary Port (**OBG110**)
- Tuffcoat: Free-flow Port (**LVG200**) / Sanitary Port (**GG110**)

Limitations on use:

- Designed for use with Gerard pressed steel roof systems only.
- Should a Multi Adapter or Flexi Pipe be required, use supplied Gerard parts only.
- Vent systems not compatible with Gerard Oberon profile.

Statement of Building Code compliance:

- B1 Structure
- B2 Durability

Roof Tile Group and Gerard Roofs are ISO 9001:2015 accredited by Telarc (Certificate #739).



masterspec partner

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Gerard LV200 Free-flow Port & G110 Sanitary Port



Product Technical Statement: 109398

Certified since 1995.

In-service history:

Gerard Roofs have been supplying passive flow roof vents for Gerard pressed steel roof systems worldwide, for over 30 years.

The Gerard Free-flow Port (LV200 series), and Sanitary Port (G110 series) are new solutions for the New Zealand market, imported from Europe.

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(c), B1.3.3(d), B1.3.3(e), B1.3.3(f), B1.3.3(g), B1.3.3(h), B1.3.3(i), B1.3.3(j), B1.3.3(k), B1.3.3(l), B1.3.3(m), B1.3.3(n), B1.3.3(o), B1.3.3(p), B1.3.3(q), B1.3.3(r), B1.3.4, B1.3.4(a), B1.3.4(b), B1.3.4(c), B1.3.4(d), B1.3.4(e), B1.3.5, B1.3.6, B1.3.6(a), B1.3.6(b), B1.3.7, B1.3.7(a), B1.3.7(b), B1.3.7(c)
- **Clause B2 Durability:** Performance B2.3.1, B2.3.1(a), B2.3.1(b), B2.3.1(c), B2.3.2, B2.3.2(a), B2.3.2(b)
- **Clause E1 Surface water:** Performance E1.3.1, E1.3.2, E1.3.3, E1.3.3(a), E1.3.3(b), E1.3.3(c), E1.3.3(d), E1.3.3(e), E1.3.3(f)
- **Clause E2 External moisture:** Performance E2.3.1, E2.3.2, E2.3.3, E2.3.4, E2.3.5, E2.3.6, E2.3.7, E2.3.7(a), E2.3.7(b), E2.3.7(c)

Notes

Statement of Building Code compliance

The system if designed, used, installed and maintained in accordance with supporting technical information and additional conditions and limitations will meet the following provisions of the New Zealand Building Code:

- B1 Structure
- B2 Durability

Gerard Roofs have been supplying passive flow roof vents for Gerard pressed steel roof systems worldwide for over 30 years.

The Gerard Free-flow Port (LV200 series), and Sanitary Port (G110 series) are new solutions for the New Zealand market, imported from Europe.

Roof Tile Group and Gerard Roofs are ISO 9001:2015 accredited by Telarc (Certificate #739). Certified since 1995.

Evidence

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

Visit the Gerard Roofs [Document Library](#) to access the following:

Product assurance

- Product Technical Statement & Building Code compliance (B1, B2, E1, E2)
- ISO 9001 Certification (2019)

Technical notes

- Product Technical Statements for Gerard Free-flow Ports - LVA200; LVT200; LVC200; LVM200; LVOB200; LVG200
- Product Technical Statements for Gerard Sanitary Ports - AG110; TG110; CG110; MG110; OBG110; GG110

Supporting Evidence

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

New Zealand Metal Roofing Manufacturers Association
[MRM](#)

Use in Service History

Gerard Roofs has been supplying passive flow roof vents for Gerard pressed steel roof systems worldwide, for over 30 years.

The Gerard Free-flow Port (LV200 series) and Sanitary Port (G110) are new solutions for the New Zealand market, imported from Europe.

Product Criteria

Design requirements

Gerard Free-flow Port (LV200):

The Gerard Free-flow Port (LV200 series) can be used for both new builds, and roof refurbishments, and provides an outlet for both passive and mechanically vented spaces.

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This low profile 20,000mm² vent provides a 160mm diameter outlet, and can be provided with a reducer down to Ø 150/130/125/110/100mm enabling it to be connected as a ducted vent for bathroom, kitchen, or laundry extraction systems.

Gerard Sanitary Port (G110 series)

The Gerard Sanitary Port (G110 series) can be used for both new builds, and roof refurbishments, and provides an outlet for both passive and mechanically vented spaces.

The Sanitary Port is supplied with an integrated pipe, insulating the vent to the top for efficient outlet of humid air – preventing condensation that could cause damage. The insulated pipe comes with a 110mm outlet to which a Gerard Flexi Pipe can be connected.

Installation requirements

Installed as fully integrated, interlocking part of a Gerard pressed steel roof system.

Covered by Gerard Roofs' warranty when installed as part of a Gerard pressed steel roof system, and by a Gerard Certified Roofer (GCR).

On installation, the Free-flow Port and/or Sanitary Port are overlapped by the above and side tiles to become integrated with the roof.

Fasteners installed next to the laps - but not through the vents - complete the installation.

Warrantees

Covered by Gerard Roofs' warranty when installed as part of a Gerard pressed steel roof system, and by a Gerard Certified Roofer (GCR).

The Gerard Free-flow Port (LV200 series), Multi Adapter accessory and the Sanitary Port (G110 series) are all made from HIPS (High Impact Polystyrene - non corrosive) - and coated with Gerard's Textured or Satin finishes.

Company Product Information

Environmental

ISO 14001 Certified.

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council



Date last validated: 18 May 2021



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