



## Dimond Resilient Channel

### Supplier

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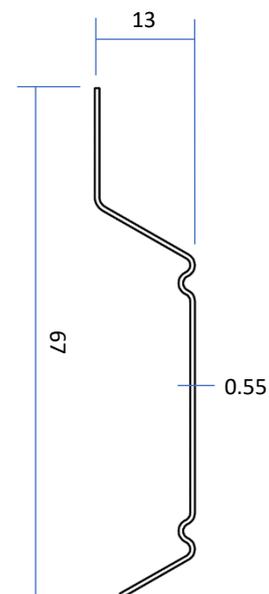
### Place of Manufacture

Aotearoa New Zealand

### Product Description

- 1.1 Resilient Channel is a galvanised steel sheet that is roll-formed into a rail shape profile with formed swages and holes, for use as a batten in internal dry wall systems.
- 1.2 Resilient Channel is available in 0.55mm metal thickness (BMT).
- 1.3 Resilient Channel is manufactured from Steel Grade G250 galvanised coil in Z275, i.e. 275g/m<sup>2</sup> total zinc coating weight.
- 1.4 Refer to table and diagrams below for section sizes and shape:

Resilient Channel Section	Depth (mm)	Width (mm)	Thickness BMT (mm)	Mass (kg/m)
67 x 13 x 0.55	67	13	0.55	0.37



## Scope of Use

**2.1** Resilient Channel is intended for use as a component in internal dry wall systems, screw fastened to framing to which wall linings are attached.

## Compliance With The New Zealand Building Code

**3.1** Past history of use of Resilient Channel and manufacture to appropriate standards indicate that provided the system design, installation, use and maintenance is in line with the guidelines of this statement, and provided the steel components remain dry and free from contamination, Resilient Channel can contribute to meeting the following performance criteria outlined in the New Zealand Building Code:

- **B1 Structure:** Performance clauses B1.3.1, B1.3.2, B1.3.3 (a) (b) (h), B1.3.4 (b). Roll-formed from feed coil manufactured to the requirements of AS/NZS 1365 and AS 1397. Refer Design and Installation Requirements 5.1-5.2.
- **B2 Durability:** Performance clause B2.3.1(a).
- **F2 Hazardous Building Materials:** Performance clause F2.3.1.

**3.2** Relevant Standards:

AS/NZS 1170	Structural Design Actions
AS/NZS 1365	Tolerances for Flat-rolled Steel Products
AS 1397	Continuous Hot-dip Metallic Coated Steel Sheet and Strip - Coatings of Zinc and Zinc Alloyed with Aluminium and Magnesium

**3.3** Where products used with Resilient Channel are manufactured by other suppliers, compliance of those products to the New Zealand Building Code is required to be sought from that product's manufacturer.

## Limitations on Use

**4.1** The use of Resilient Channel is limited to dry and non-corrosive internal environments free from contamination, unless further suitable protection of the surfaces is provided. It is the responsibility of the designer to assess the durability requirements and specify accordingly.

## Design and Installation Requirements

**5.1** Resilient Channel is intended to be designed and specified by suitably qualified designers and acoustics practitioners experienced in the design of internal dry wall building systems to meet the performance criteria set out in the New Zealand Building Code.

**5.2** Installation of Resilient Channel is generally carried out by commercial builders and dry wall installers who are familiar with installation requirements and practices in New Zealand. Resilient Channel is not intended to be installed by handymen, homeowners etc. without appropriate experience.

## Warnings & Bans

Not subject to a warning or ban under section 26 of the Building Act 2004.

## Disclaimer

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