

Allproof Perimeter Drain - Level Threshold

Product Technical Statement: 108007

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Level Threshold System for building entrances. E2 Compliant channel system for onsite customisation.

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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



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

Allproof Industries

[Statement of compliance - 1](#)

Technical Statement

Product Description

The Allproof Industries Perimeter Drain is an 'off the shelf' level threshold product that removes the process of boxing out and measuring. By simply butting the L shaped channel up against the exterior footing of the building it creates a surface to pour the concrete up against. The specially designed grate for this system is made from Glass Filled Nylon (GFN) and created in a way that it can be trimmed down on site to fit varying widths around the exterior of the building. Other grate options can be made available with custom manufacturing.

Channels come in a standard length of one metre. The standard GFN grate that comes with this system is supplied in 500mm lengths.

This system has been designed to be fast, efficient and cost effective due to reducing the need for custom manufacturing and providing a faster install process. This trouble free and easy to install product is the future of threshold drainage.

Scope of use

The Allproof Perimeter Drain has been designed to specifically work in level threshold situations. The channel creates a 180mm x 200mm channel along the building line, the extra 30mm depth provided in the channel allows for a 1:200 screeded fall along the channel towards the outlet.

The adjustable bracket system with legs supported on the channel from the external side allows for a 12mm drip line along the joinery.

This system is designed to be customisable on site to create a tidy reveal following joinery lines around the building. Customised stainless steel grates can be manufactured to fit this product.

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The system is designed for pedestrian foot traffic and has a AS3996 load class rating of A, for higher load class requirements please contact us for customised solutions.

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 E1 Surface water:** Performance E1.3.2
- **Clause E2 External moisture:** Performance E2.3.6

Notes

Designed to meet requirements set out in clause E2 7.3.2 Ground floor level access.

Evidence

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

The product meets the requirements set out in NZBC clause 7.3.2 Ground floor level access, Figure 17B.

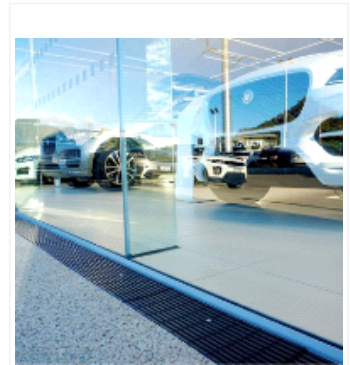
Supporting Evidence

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

Allproof Industries

[Statement of compliance - 1](#)

Use in Service History



masterspec partner

Company Contact Details

ALLPROOF
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The product has been used in a wide array of New Zealand constructions, installations include residential and commercial applications.

To note some applications this product is in use at Commercial Bay, Middlemore AMHU and vehicle show rooms located in Wairau Park North Shore Auckland.

Product Criteria

Design requirements

The cleverly designed bracket and grate system takes up the varying reveal between joinery overhang and slab.

The grate selection accommodates for a variety of requirements including economy, performance (grate open area), safety (heelproof and slip rating) and customisation (aesthetics).

The grates come in a selection of materials including Glass Filled Nylon (GFN), Cast Iron and Stainless Steel that can be used to create consistency with other surface drainage in the same project (Allproof Polymer Concrete).

Installation requirements

When installing the system it is best to work from the centre out and to pre-plan the install understanding the lengths and cuts required.

To achieve an optimum aesthetic finish ensure that the channel runs parallel to joinery and not the building line so that grates do not have to be tapered to fit.

A full install guide is available from [allproof.co.nz/drainage/level-threshold/perimeter-drain](https://www.allproof.co.nz/drainage/level-threshold/perimeter-drain)

Maintenance requirements

The grates have been designed to lock into place on the bracket with screws, these can easily be removed for maintenance purposes such as cleaning the channel to remove debris as required.

The stainless steel channel edge and grates (if applicable) can be maintained by following our SS maintenance guide, however this is purely for aesthetics and does not compromise the performance of the system.

Warrantees

Please visit our website for individual component warranty information.

<https://www.allproof.co.nz/pdf/Legal-files/Allproof%20Product%20Warranty%200218v1.pdf>



Date last validated: **31 October 2018**



Date last updated: **31 October 2018**

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