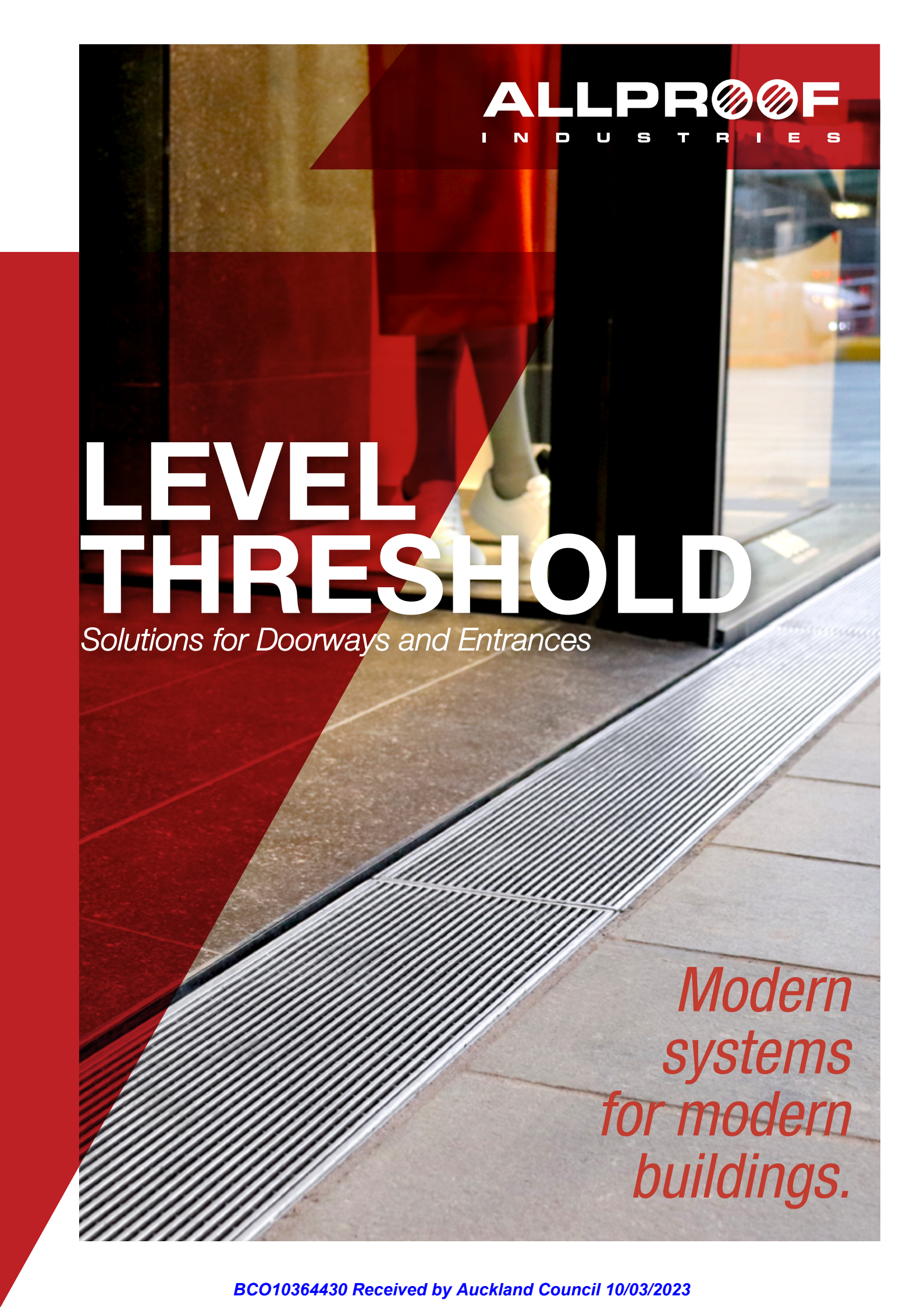




ALLPROOF
I N D U S T R I E S

LEVEL THRESHOLD

Solutions for Doorways and Entrances

*Modern
systems
for modern
buildings.*

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Introduction

Solutions for Doorways and Entrances

The below is an extract from E2/AS1:

"The specific features of a building and its site can have a significant effect on the options available for providing level access at doors. These features include the provision of shelter, prevailing winds and ground levels. Where level access is required, it is highly recommended that the services of a designer experienced in this field be obtained."

The simple aim is to stop rain getting into the dwelling. Regardless if the area in question is covered or not the same requirements remain as there is no specific mention of adequate cover that negates the requirement.

ALLPROOF is at the forefront of drainage solutions in New Zealand with a long history of leading the market, and the following is the most comprehensive systems available to the market which have been developed with the assistance of market leaders from the design and construction industry and with regulatory authority input.

While the systems developed in this document are accepted industry wide as complying to code, because projects can have their own unique features and challenges, Allproof encourages dialogue with project specific designers and regulatory authorities as well as the team at Allproof to ensure compliance.

Allproof Level
Threshold
Specifications
Available

masterspec partner

SMARTSPEC

Perimeter Drain

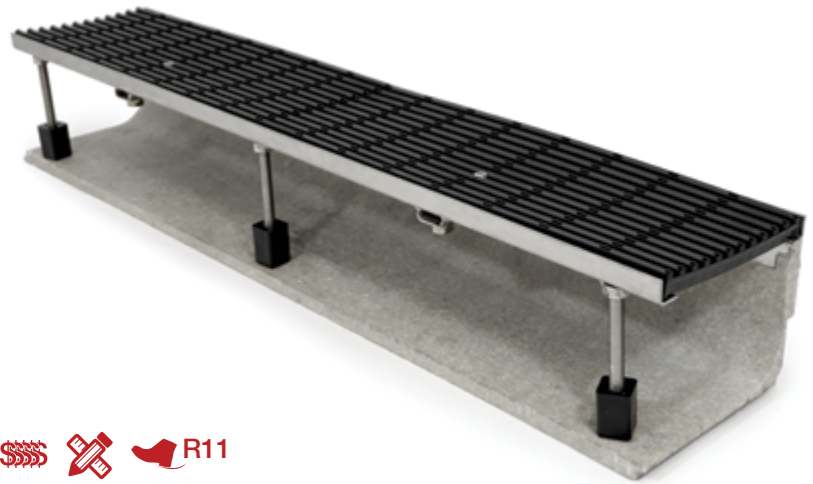


The Allproof Industries Perimeter Drain is an 'off the shelf' level threshold product that removes the process of boxing out and measuring. By simply butting the L shaped channel up against the exterior footing of the building it creates a surface to pour the concrete up against. The specially designed 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 or HCI grate that comes with this system is supplied in 500mm lengths with stainless steel custom grate options available.

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.

This system has been designed for pedestrian foot traffic with a load class rating of A.



Grate Options



Custom Made Wedge Wire (WW)**



Open Area: 47%
Standard Lengths: Custom
316 Stainless Steel



Custom Made Laser Cut Steel (LAS)**



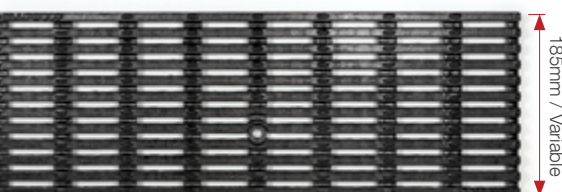
Open Area: 33%
Standard Lengths: Custom
316 / 304 Stainless Steel Option



Glass Filled Nylon (185GFN)*



Open Area: 29%
Standard Lengths: 500mm
Max Width: 185mm



Heelproof Cast Iron (185HCI)*



Open Area: 29%
Standard Lengths: 500mm
Max Width: 185mm

*Note Cast Iron Grates supplied painted black. Oxidisation can occur naturally, is aesthetic, and will not impact on grate performance.
Powder coating optional extra for improved coating quality.

- * Comes in 500mm lengths, onsite adjustable width up to 185mm and length.
- ** Custom widths and lengths available.

AS4586 Slip
Resistance Classification:

Price Guide:

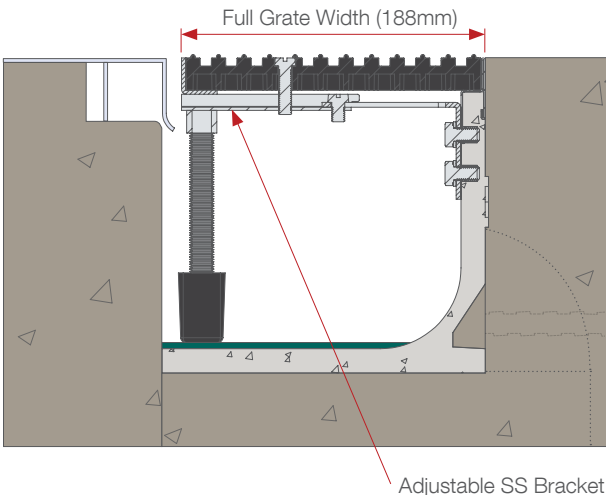
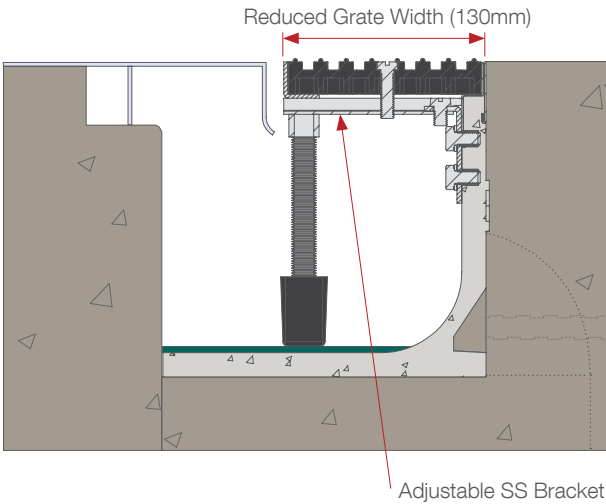
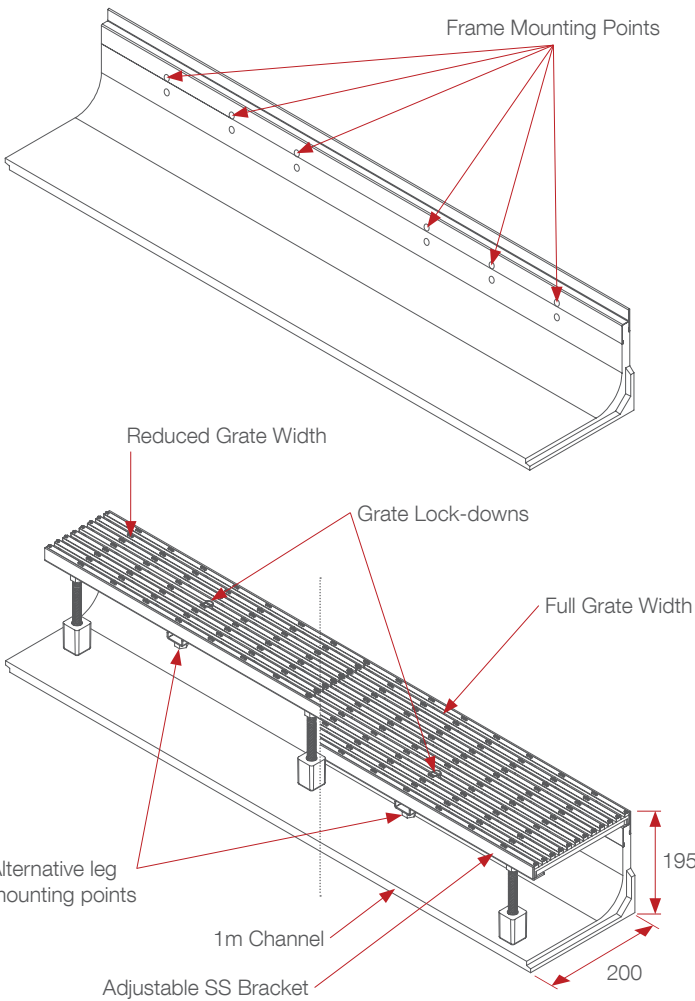
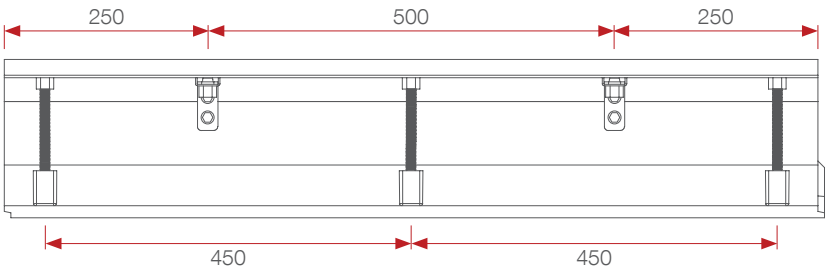
Heelproof:

Customisable
Width & Length:



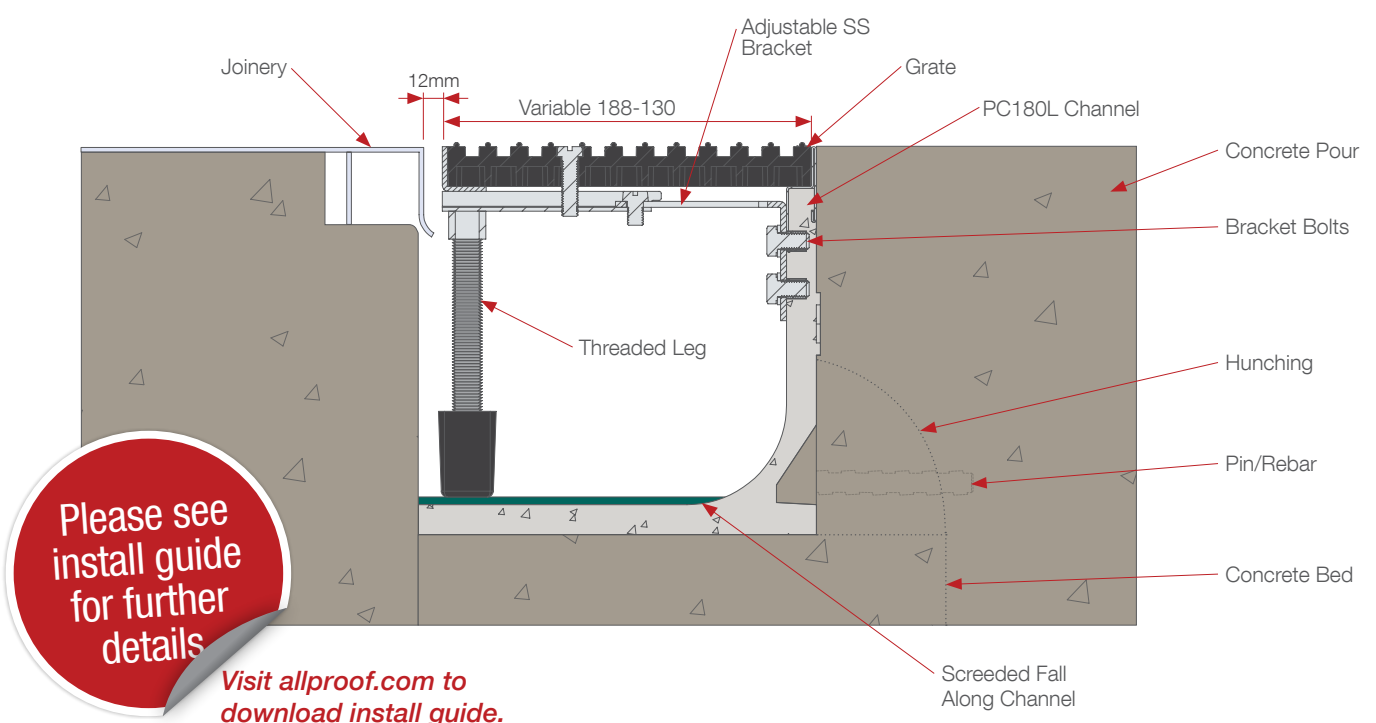
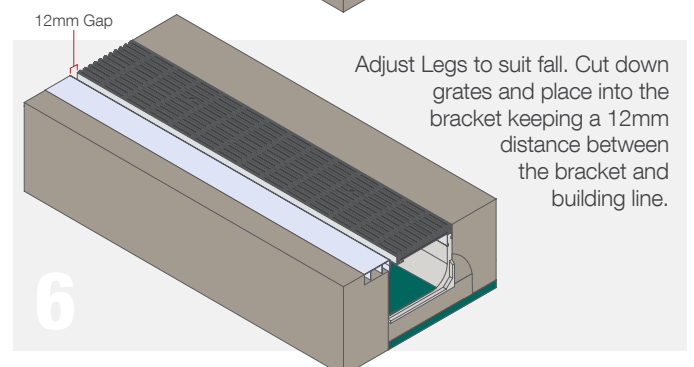
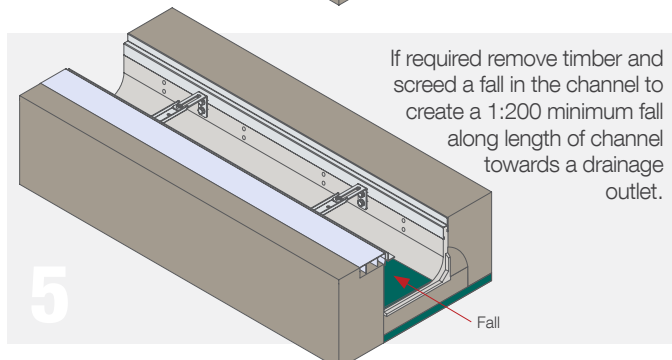
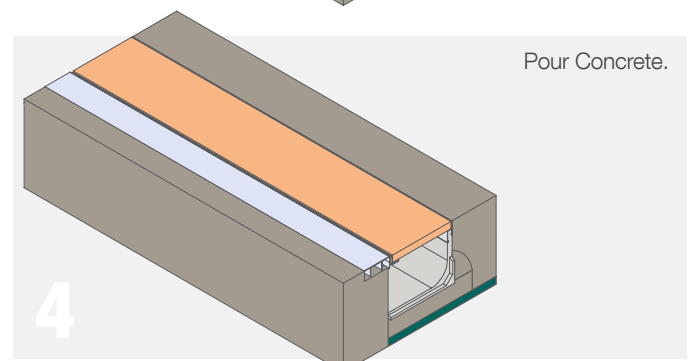
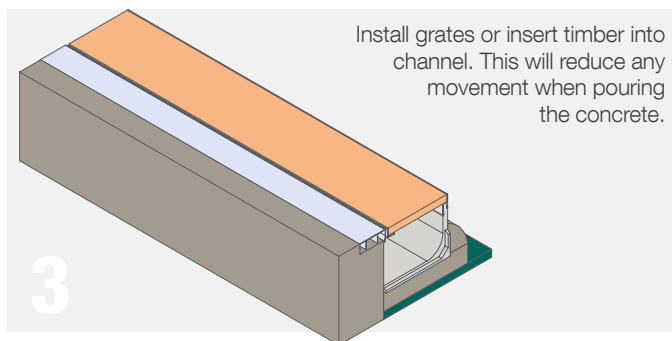
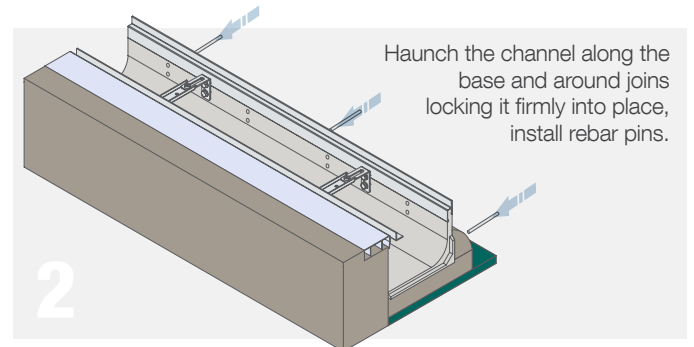
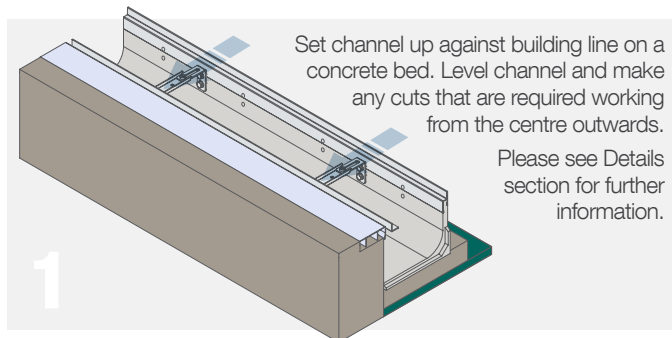
Product Order Codes:

Code	Description
Standard Off The Shelf System and Grates	
PC180LGFN	1 metre length of Perimeter Drain with Glass Filled Nylon Grate
PC180LHCI	1 metre length of Perimeter Drain with Heelproof Cast Iron Grate
PC180LEC SS	Stainless Steel Perimeter Drain End Cap
System With Custom Grates (for specification purposes)	
PC180LWW CUS	1 metre length of Perimeter Drain with Wedge Wire Grate
PC180LLAS CUS	1 metre length of Perimeter Drain with Laser Cut Steel Grate



Install Details

(PC180L)



Cantilever Bracket (CB)



Suitable for tile/paver finish. The Cantilever Bracket system is a design that can be used when a permanent mounting option is desired. The bracket is bolted onto the slab before the finishing surface is installed.

This fixing system also means a spacer is not required to maintain the 12mm distance and the bracket and joinery remain mechanically separated at all times.

This system is fully customisable and also provides an opportunity to create an E2 compliant channel with a narrower reveal by extending the tiles or pavers out over the channel. Tiles/pavers are supported by a continuous support bar.

This system has been designed for pedestrian foot traffic with a load class rating of A.

Specification Codes:

Code	Description
CBWW	Cantilever Bracket with Wedge Wire Grate
CBLAS	Cantilever Bracket with Laser Cut Steel Grate
CBGFN	Cantilever Bracket with GFN Grate
CBTI	Cantilever Bracket with Tile Insert Grate



Grate Options



Wedge Wire (WW)**



Open Area: 47%
Standard Lengths: Custom
316 Stainless Steel



Laser Cut Steel (LAS)**



Open Area: 33%
Standard Lengths: Custom
316 / 304 Stainless Steel Option



Glass Filled Nylon (185GFN)*



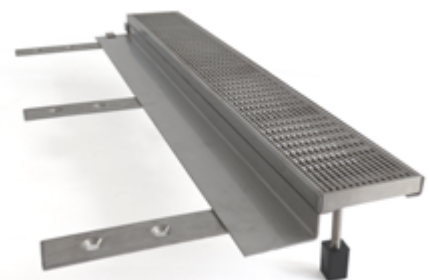
Open Area: 29%
Standard Lengths: 500mm
Max Width: 185mm



Tile Insert (TI)**



Open Area: 10%
Standard Lengths: Custom
304 Stainless Steel Option



Please note design may vary to accommodate tile/paver depths in relation to grate depths once slab set down height reaches a distance greater than 48mm (see detail opposite). This variance in design does not affect the install process, performance or final aesthetics of the product and install.

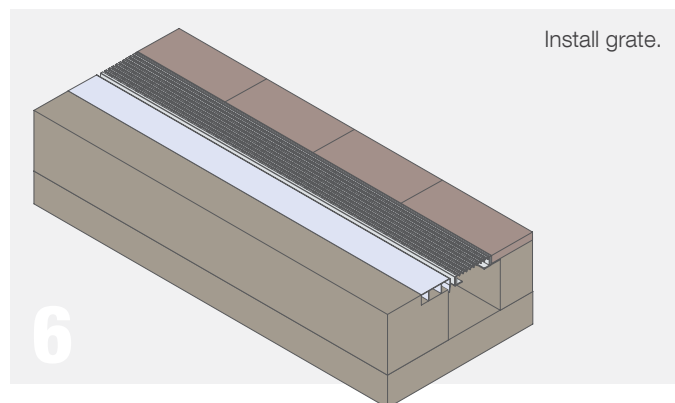
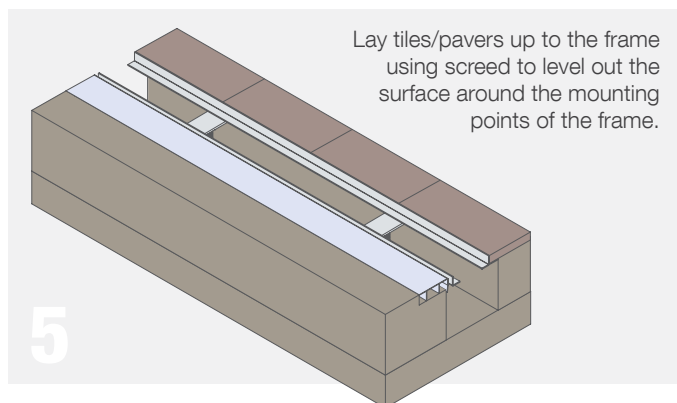
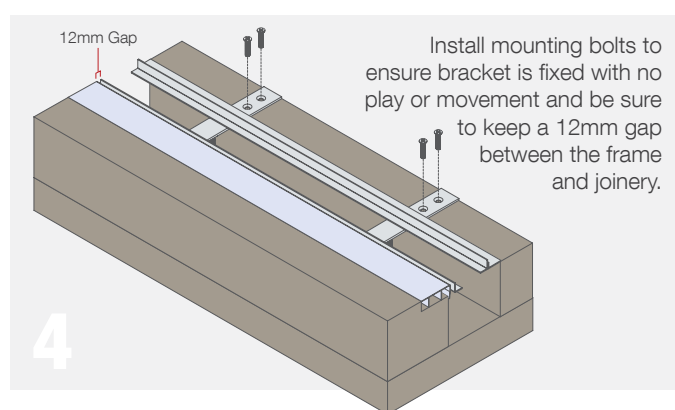
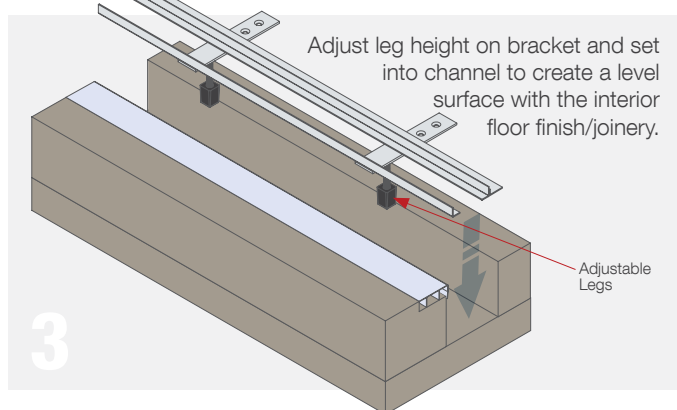
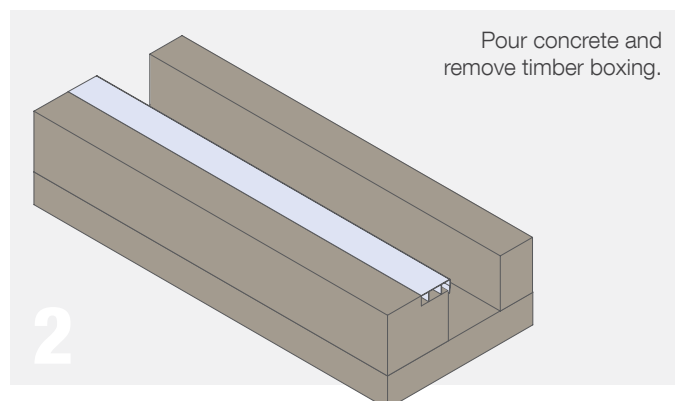
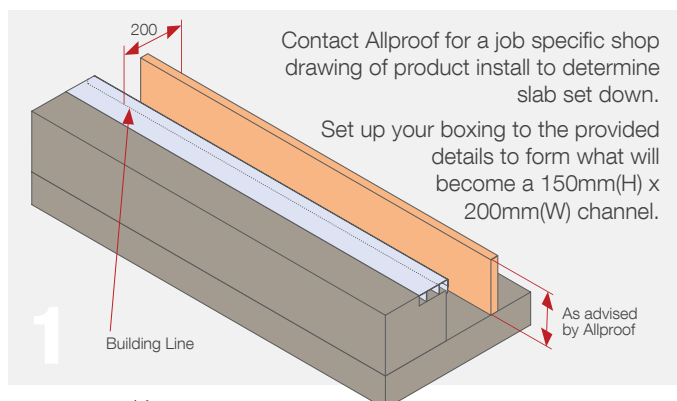
** Custom widths and lengths available.

AS4586 Slip
Resistance Classification:

Price Guide:

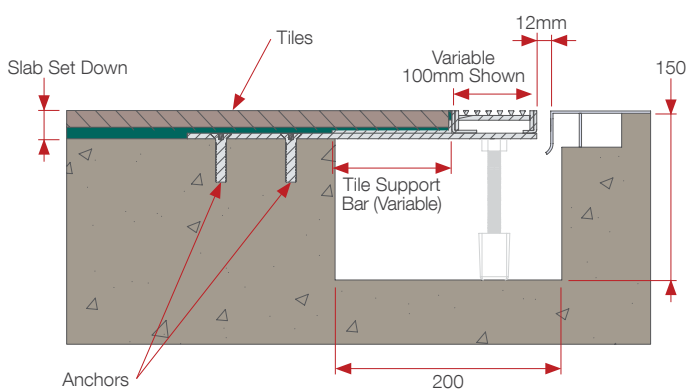
Heelproof:

Customisable
Width & Length:



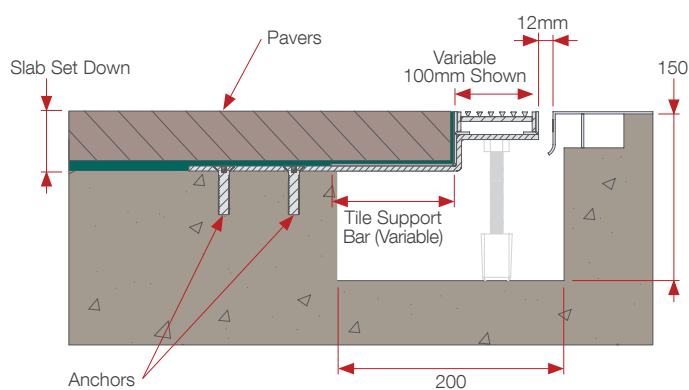
Tile Depth

Slab set downs 28-47mm for stainless grates.



Paver Depth

Slab set downs 48mm+, also applicable for GFN on any slab set down greater than 28mm.



Cast-In Cantilever Bracket (CICB)



Suitable for concrete finish. The Cast-In Cantilever Bracket system is a design that can be used when a permanent mounting option is desired. The bracket is cast into the slab before the finishing surface is poured.

This system utilises standard off the shelf width grates making it possible to keep unity and consistency between differing drainage systems within one project. Therefore the Cast-In Cantilever Bracket has a fixed grate width of 123mm.

This system requires two pours of concrete, the first providing a platform for the bracket to be affixed to, the second pour provides the finished surface and cantilevered grating.

This system has been designed for pedestrian foot traffic with a load class rating of A.

Specification Codes:

Code	Description
CICB125WW	Cast-In Cantilever Bracket with Wedge Wire Grate
CICB125LAS	Cast-In Cantilever Bracket with Laser Cut Steel Grate
CICB125SS	Cast-In Cantilever Bracket with Pressed Stainless Grate
CICB125GFN	Cast-In Cantilever Bracket with Glass Filled Nylon Grate
CICB125HCI	Cast-In Cantilever Bracket with Heelproof Cast Iron Grate

Grate Options



Wedge Wire (WW)

R11
 Open Area: 47%
 Standard Lengths: 1000mm
 316 Stainless Steel



Laser Cut Steel (LAS)

Open Area: 33%
 Standard Lengths: 1000mm
 316 / 304 Stainless Steel Option



Glass Filled Nylon (GFN)

Open Area: 28%
 Standard Lengths: 500mm



Pressed Stainless (SS)

Open Area: 30%
 Standard Lengths: 1000mm



*Cast Iron, Heelproof (HCI)

Open Area: 31%
 Standard Lengths: 500mm

*Note Cast Iron Grates supplied painted black. Oxidisation can occur naturally, is aesthetic, and will not impact on grate performance.
 Powder coating optional extra for improved coating quality.

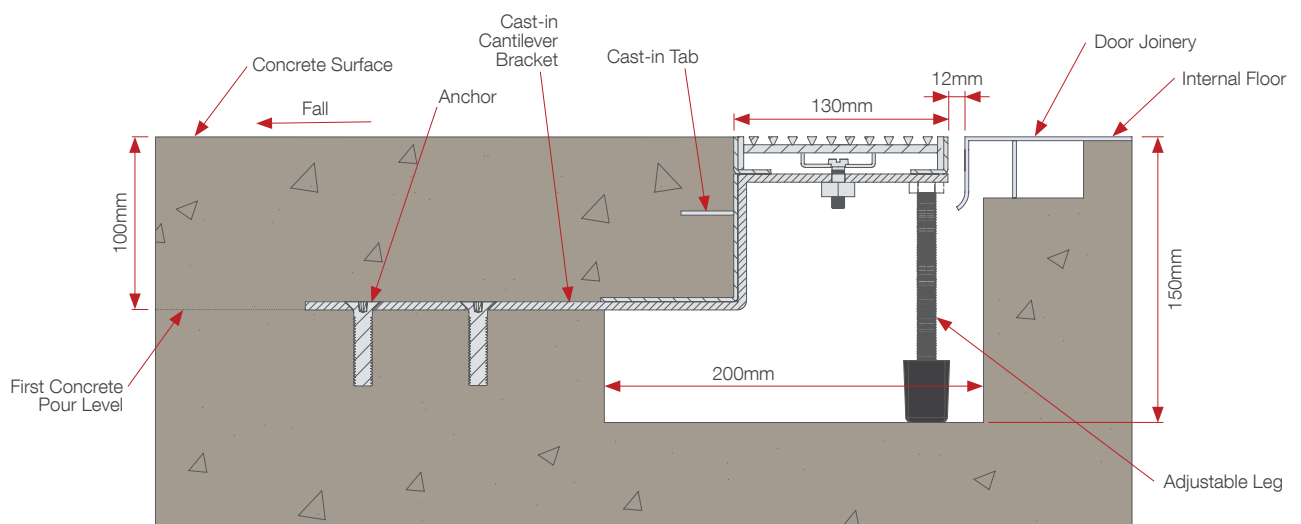
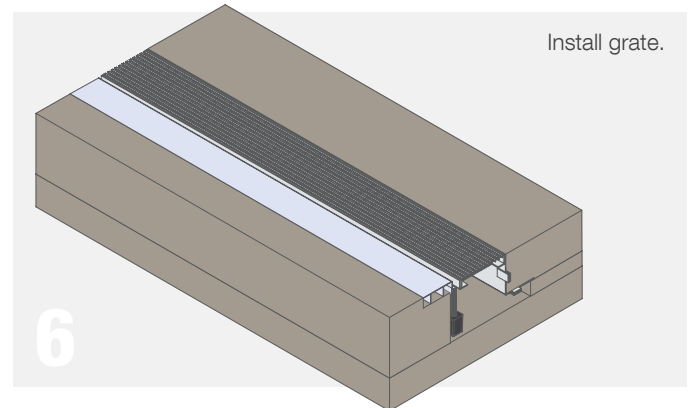
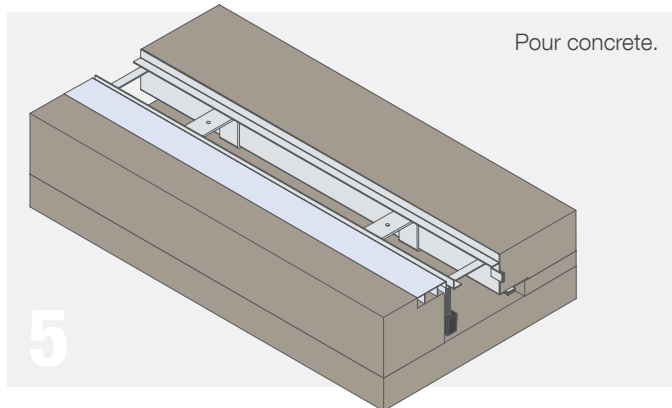
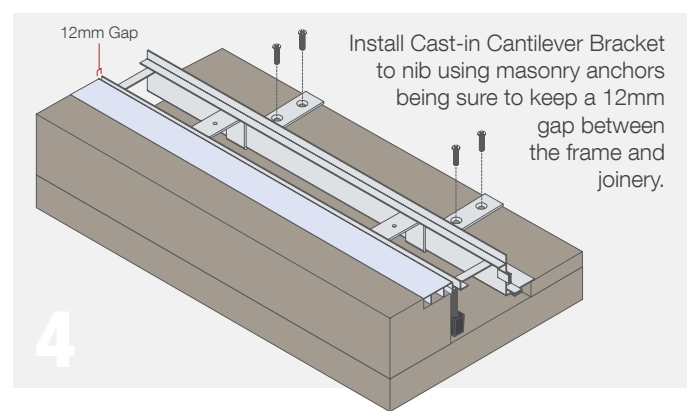
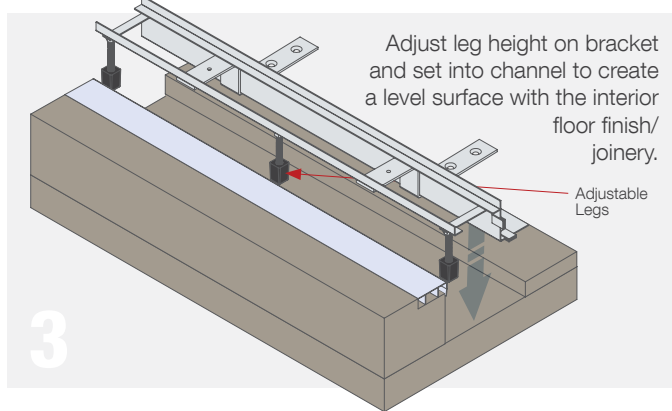
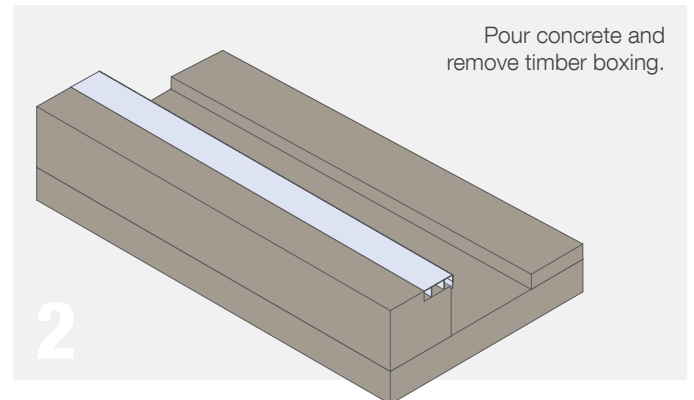
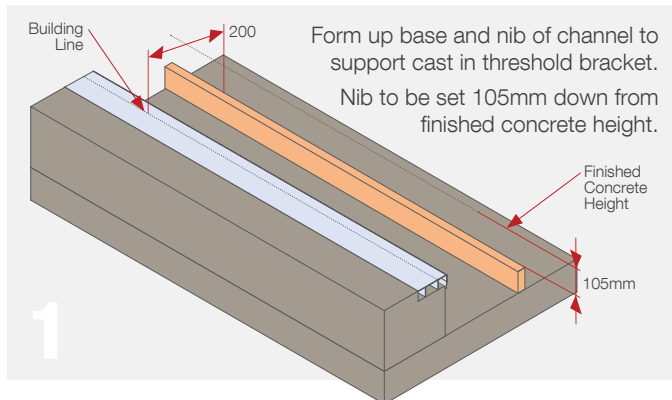


AS4586 Slip
Resistance Classification:

Price Guide:

Heelproof:

Customisable
Width & Length:



Bolted Bracket (BB)



Allproof's Bolted Bracket level threshold system incorporates mounted bolting points in the external slab for stability, a bracket, grate and height adjustable threaded legs.

The frame is custom made for each specific job to ensure a perfect fit around the threshold of your project. The differing grate widths around joinery will all be accounted for in this process.

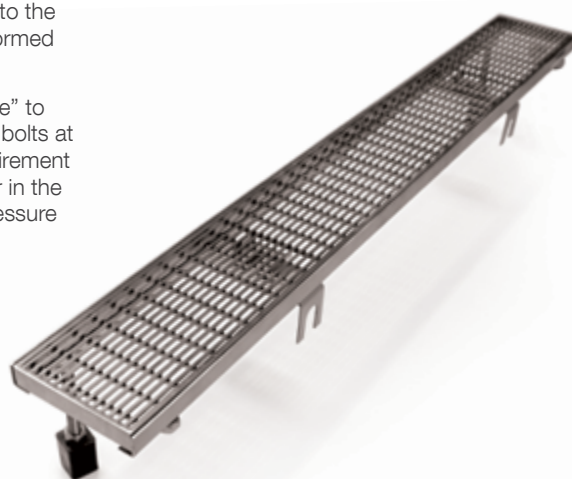
When setting out for a concrete pour construction anchors will be fitted into the boxing and left protruding into the formed channel when boxing is removed.

This allows the "bolted bracket frame" to drop in onto and be fastened to the bolts at a later stage. This removes the requirement of the system to be on site until later in the construction schedule, removing pressure around time of pour.

This system has been designed for pedestrian foot traffic with a load class rating of A.

Specification Codes:

Code	Description
BBWW	Bolted Bracket with Wedge Wire Grate
BBLAS	Bolted Bracket with Laser Cut Steel Grate
BBGFN	Bolted Bracket with Glass Filled Nylon Grate
BBHCI	Bolted Bracket with Heelproof Cast Iron Grate



Grate Options



Custom Made Wedge Wire (WW)**

Variable



Open Area: 47%
Standard Lengths: Custom
316 Stainless Steel



Laser Cut Steel (LAS)**

Variable



Open Area: 33%
Standard Lengths: Custom
316 / 304 Stainless Steel Option

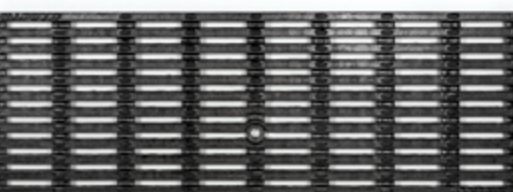


Glass Filled Nylon (185GFN)*

185mm / Variable



Open Area: 29%
Standard Lengths: 500mm
Max Width: 185mm



Heelproof Cast Iron (185HCI)*

185mm / Variable



Open Area: 29%
Standard Lengths: 500mm
Max Width: 185mm

*Note Cast Iron Grates supplied painted black. Oxidisation can occur naturally, is aesthetic, and will not impact on grate performance.

Powder coating optional extra for improved coating quality.

* Comes in 500mm lengths, onsite adjustable width up to 185mm and length.

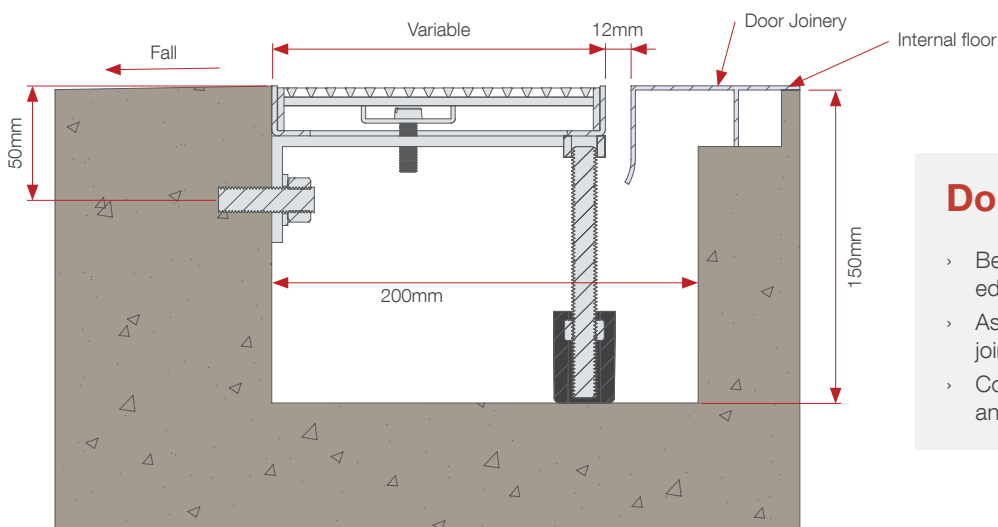
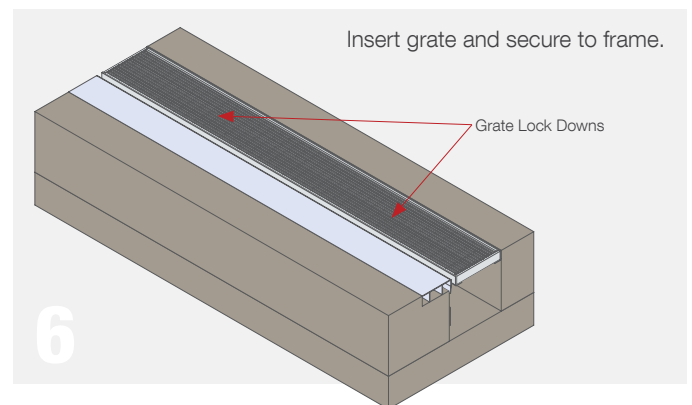
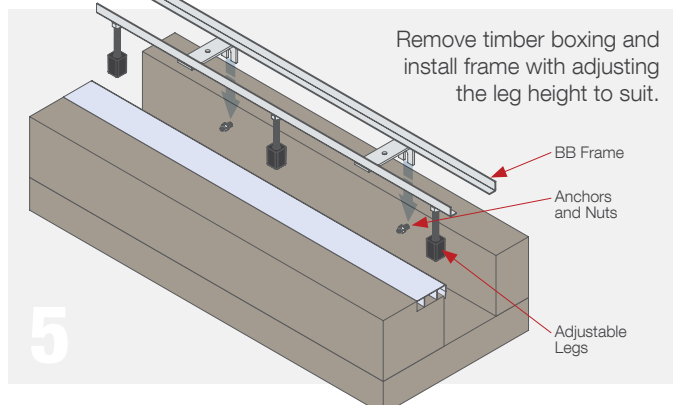
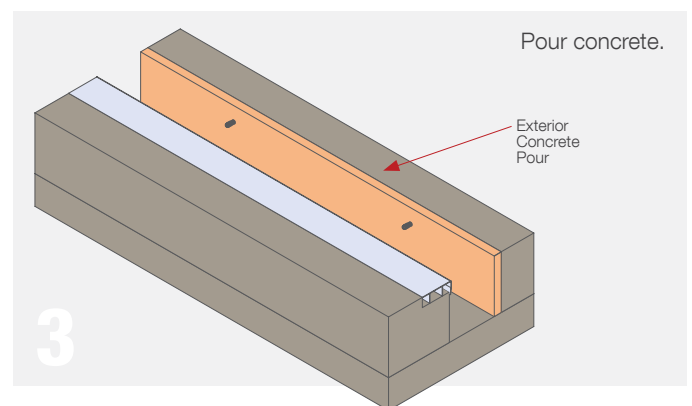
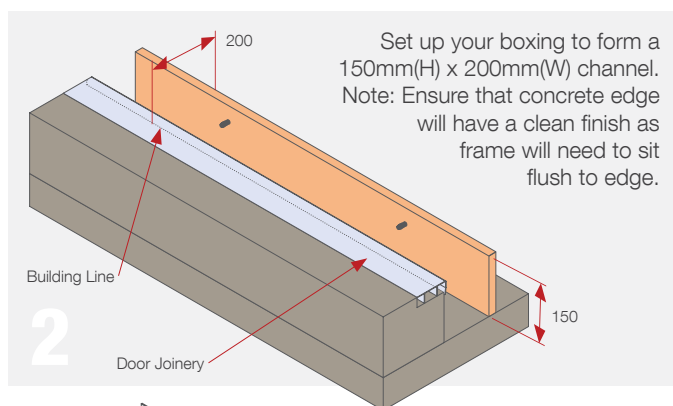
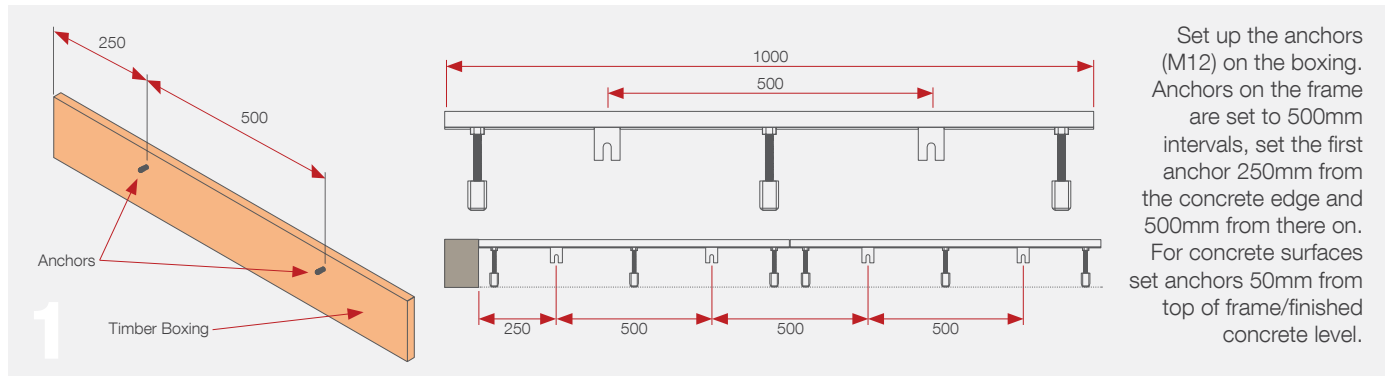
** Custom widths and lengths available.

AS4586 Slip Resistance Classification:

Price Guide:

Heelproof:

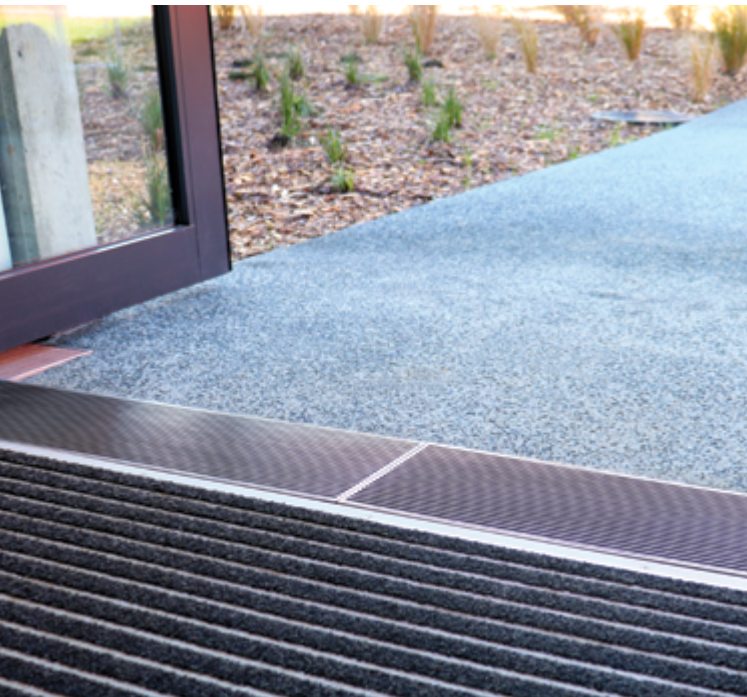
Customisable Width & Length:



Do's and Don'ts

- › Be sure to get straight clean finished edges to concrete.
- › As standard this system uses butt joints for corners, **not** mitred.
- › Contact the Allproof team if you have any queries.

Threaded Leg (TL)



The Threaded Leg system is a fully customised solutions featuring adjustable rods with plastic feet that allow the installer to match any undulations in the formed channel with ease. A plastic spacer is used to maintain the required 12mm distance from the joinery. The Threaded Leg is a simple, but elegant solution to level threshold requirements.

This system has been designed for pedestrian foot traffic with a load class rating of A.

Specification Codes:

Code	Description
TLWW	Threaded Leg with Wedge Wire Grate
TLLAS	Threaded Leg with Laser Cut Steel Grate

Grate Options



Wedge Wire (WW)**



Open Area: 47%
Standard Lengths: Custom
316 Stainless Steel



Laser Cut Steel (LAS)**



Open Area: 33%
Standard Lengths: Custom
316 / 304 Stainless Steel Option



** Custom widths and lengths available.

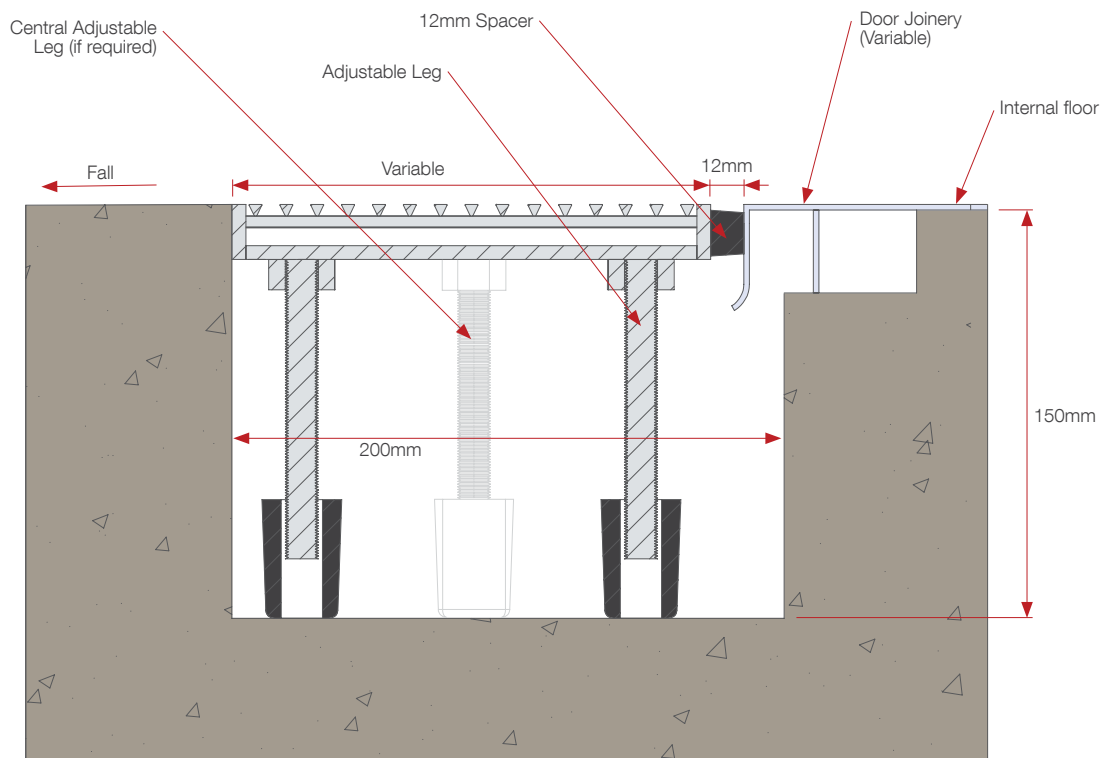
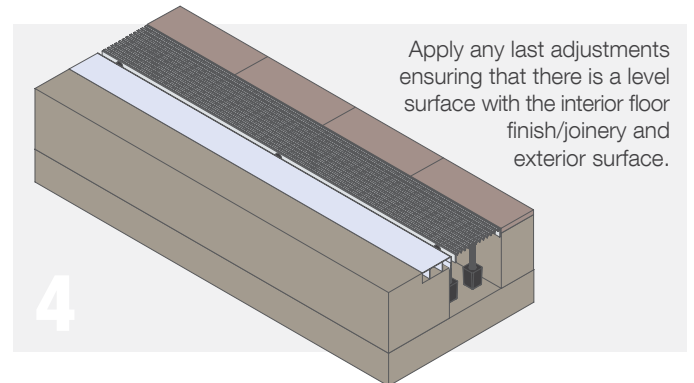
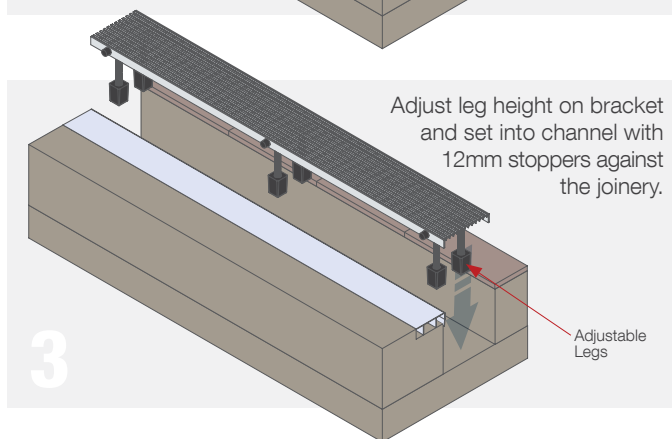
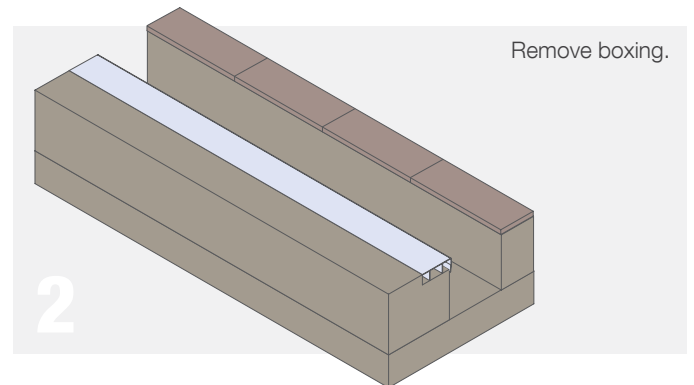
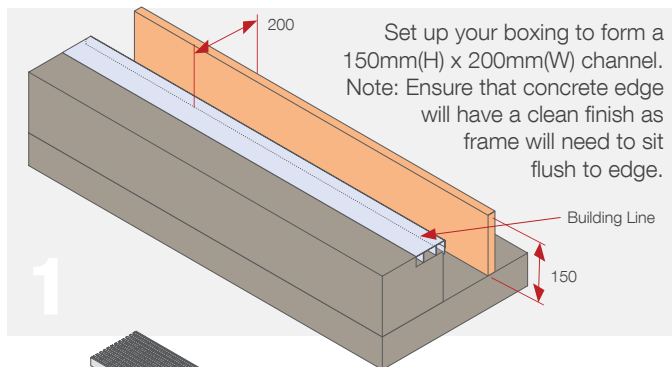
AS4586 Slip
Resistance Classification:

Price Guide:

Heelproof:

Customisable
Width & Length:

Install Details



Level Threshold -

Most widely understood as the term describing an entrance to a building where the external surface level remains the same as the internal finished floor level.

Pictured: *Perimeter Drain with wedge wire grate.*



ALLPROOF
INDUSTRIES

LEVEL THRESHOLD

Solutions for Doorways and Entrances

Also see our Polymer Concrete brochure and Domestic range for further exterior drainage products by Allproof to keep your project consistent.



ALLPROOF
INDUSTRIES

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