

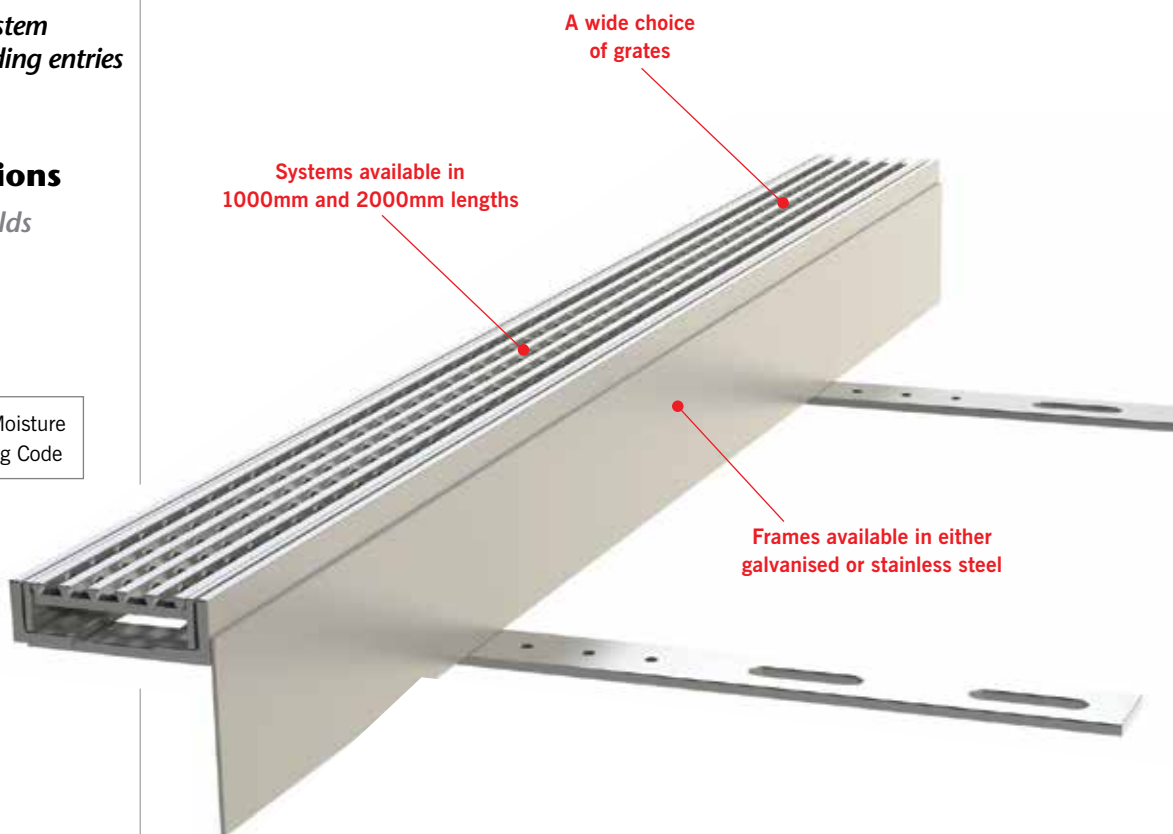
## ThresholdDrain

*Cantilever drainage system for level threshold building entries*

### Typical Applications

- Level entry thresholds
- Balconies
- Outdoor decks
- Entertaining areas

Meets clause E2 External Moisture of the New Zealand Building Code

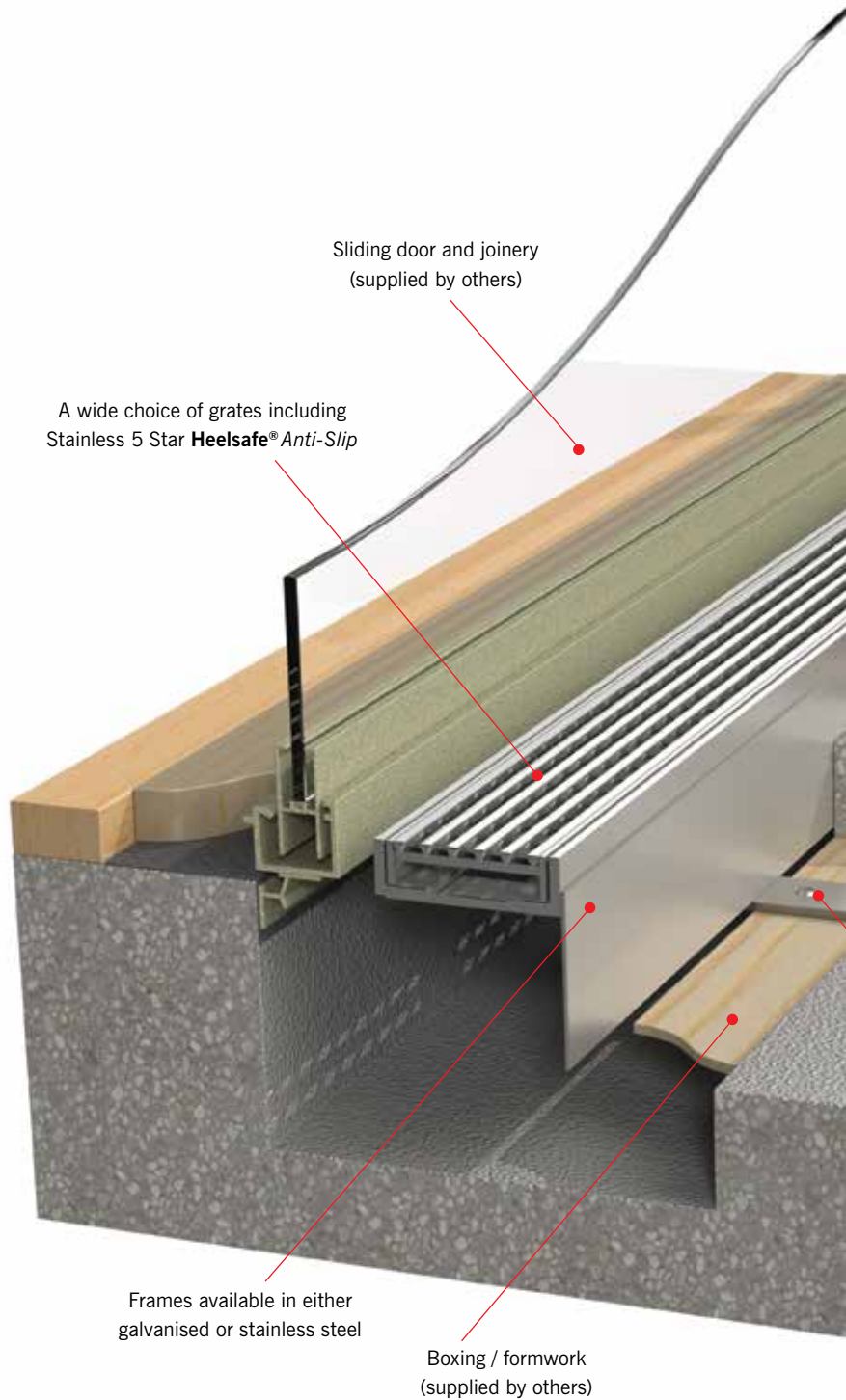


# ThresholdDrain

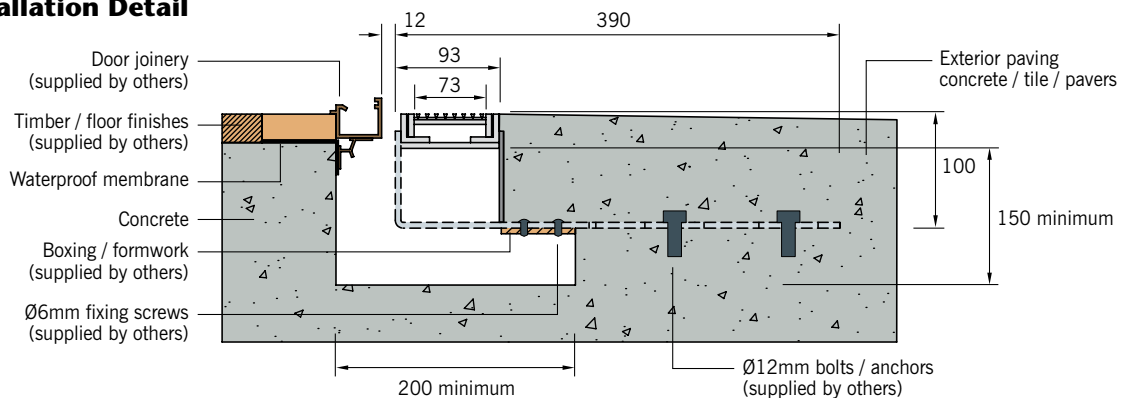
**ThresholdDrain** is suitable for use on balconies, general outdoor patios and entertainment areas. It allows the finished areas outside a building to be made level with the floor levels inside the building. This drainage solution dramatically reduces the risk of surface water transgressing the entrance threshold and collects runoff from doors and windows during storms. Its unique cantilever bracketing system is anchored between successive concrete pours beneath exposed slabs, tiles or pavers.

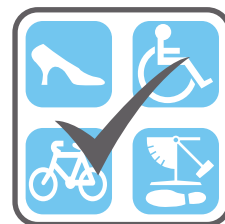
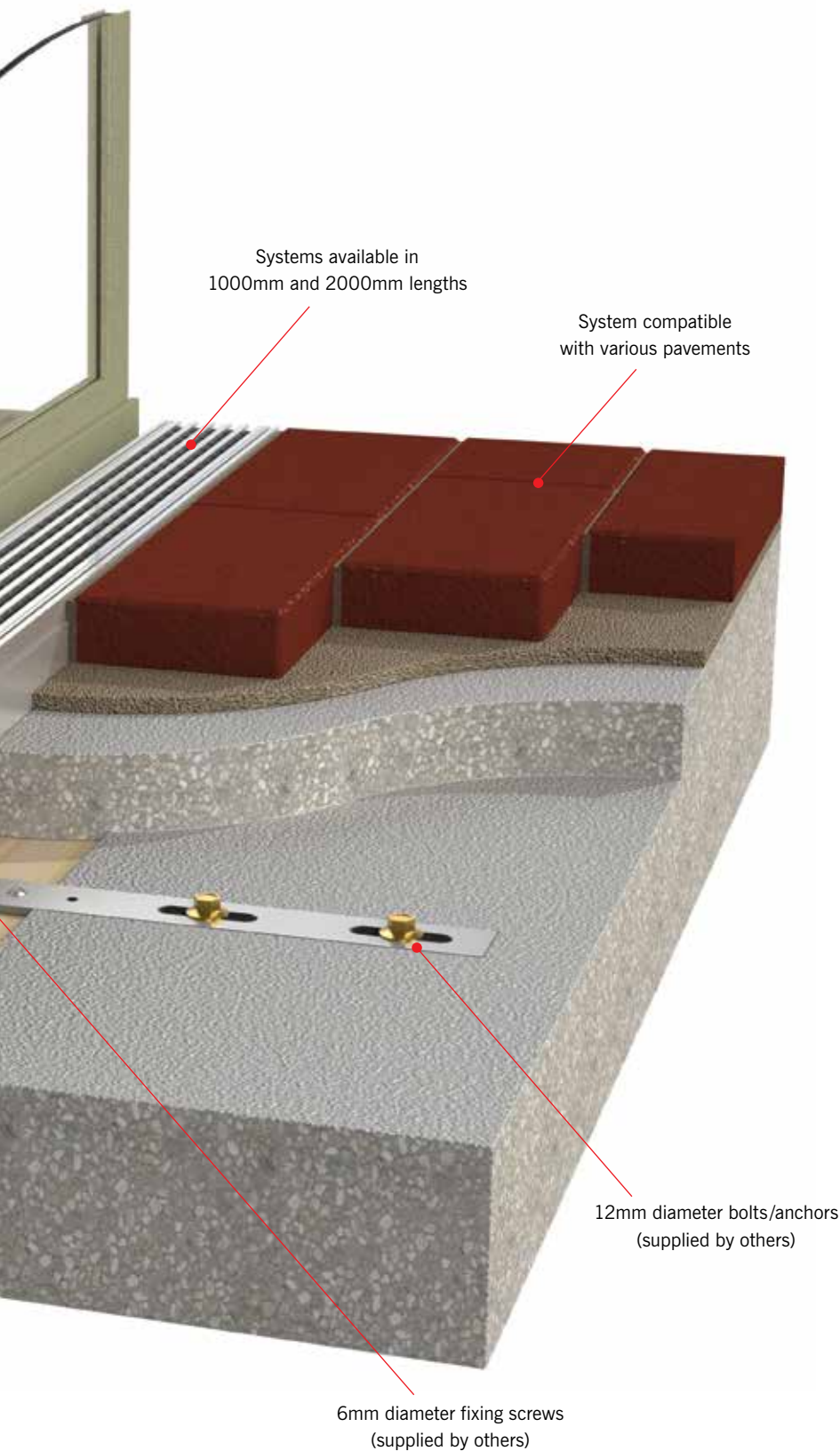
**ThresholdDrain** is intended to be installed adjacent to entrance doors and complies with the prescribed requirements of Clause E2 External Moisture of the New Zealand Building Code. The system can be adapted to different drainage trench widths.

**ThresholdDrain** can accommodate five different grate pattern designs complying with Clause 9 – AS 1428.2, Access and Mobility, ensuring safe passage of walking canes and wheelchairs. Four heel friendly grate options are also offered including the widely specified Stainless 5 Star **Heelsafe® Anti-Slip** grate.



## Installation Detail





**ThresholdDrain's** range of **Heelsafe®** *Anti-Slip* grates have raised mechanical nodes and are available in either ductile iron or stainless steel. Additionally, these are designed to:

- Comply with AS 3996 Clause 3.3.5
- Comply with AS 1428.2 Clause 9(c)
- Resist the penetration of a 10mm heel



A slip resistance classification is assigned to these grates. AS/NZS 4586 sets out three recognised tests that determine slip resistance:







- Oil-Wet Inclining Platform test (R-rating)
- Wet Pendulum test (P-rating) and
- Wet Barefoot Inclining Platform test (A,B,C rating)

HB 198 references AS/NZS 4586 by specifying the minimum slip resistance ratings suitable for typical applications.

ACO believe that heel friendly grates need to be slip resistant. For more information, visit [www.heelsafe.co.nz](http://www.heelsafe.co.nz)

## Product Table

Frames				
	Description	Part No.	Length mm	Weight kg
	ThresholdDrain Stainless Steel Frame <sup>1</sup>	73048	1000	6.8
	ThresholdDrain Stainless Steel Frame <sup>1</sup>	73049	2000	13.3
	ThresholdDrain Galvanised Steel Frame <sup>2</sup>	73050	1000	6.5
	ThresholdDrain Galvanised Steel Frame <sup>2</sup>	73051	2000	12.8

Grates						
	Description	Part No.	Length mm	Weight kg	Slot Size mm	Intake Area mm <sup>2</sup>
	<b>Perforated</b>					
	Stainless Steel <sup>1</sup>	95165	1000	1.8	6.5Ø	10,325
	Galvanised Steel <sup>2</sup>	94699	1000	1.8	6.5Ø	10,325
	<b>Slotted</b>					
	Stainless Steel <sup>1</sup>	95545	1000	1.8	34.5 x 10	12,260
	Galvanised Steel <sup>2</sup>	95537	1000	1.8	34.5 x 10	12,260
	<b>Stainless 5 Star Heelsafe® Anti-Slip</b>					
	Stainless Steel <sup>1</sup>	141761	1000	2.7	21 x 5	30,135
	<b>Longitudinal</b>					
	Stainless Steel <sup>1</sup>	141475	1000	1.6	50 x 5	24,000
	Galvanised Steel <sup>2</sup>	141476	1000	1.6	50 x 5	24,000
	<b>Iron Intercept Heelsafe® Anti-Slip</b>					
	Ductile Iron	95553	500	3.3	38 x 8	11,615

1. Grade 304 stainless steel

2. Galvanised steel frames and grates are not recommended in seaspray zones. For NZ seaspray zones, refer to Department of Building and Housing – Simple house acceptable solution SH/AS1 Clause 2.5.2 and Figure 2.4.

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