

ACO OnePour Product Information Sheet

Product Name:

ACO ThresholdDrain OnePour™

Product description and intended use:

ACO OnePour threshold system is intended to be installed adjacent to entrance doors and complies with the prescribed requirements of E2 External Moisture of the New Zealand Building Code. ThresholdDrain OnePour frames are available in 1000mm lengths in galvanized or stainless steel (304). No support or legs impede the drainage channel and are completely interdependent of joinery/cladding

OnePour threshold system can accommodate many DrainLok™ different grate pattern designs complying with Clause 9 - AS 1428.2, Access and Mobility, ensuring safe passage of walking canes and wheelchairs. HeelGaurd and Heelsafe grate options are also offered with anti slip properties.

Product identifier:

OnePour Stainless Steel frame Part No. 296034 (1000mm)

OnePour Galvanised Steel frame Part No. 296033 (1000mm)

Place of manufacture:

Aotearoa New Zealand

Overseas

Legal and trading name of the manufacturer(s):

ACO Industries k.s.

Address for service:

Street name:

Havlíčkova

Suburb:

-

City, Country:

Příbyslav, Czechia

Postcode:

260, 582 22

Website:

<https://www.aco-industries.cz/>

Email address:

info@aco.cz

Phone number:

+420 569 491 111

Legal and trading name of the importer (if applicable):

ACO Limited

Address for service:

Street name:	35 Te Tiki Road	Suburb:	Mangere
City, Country:	Auckland, New Zealand	Postcode:	2022
Website:	www.aconz.co.nz		
Email address:	info@aconz.co.nz		
Phone number:	0800 448 080		
NZBN:	9429030838697		

Relevant Building Code clauses:

NBZC E1/AS1 Surface water
 NZBC E1/AS2 Surface water
 NZBC E2/AS1 External moisture

Statement on how the building product is expected to contribute to compliance:

NZBC E1 Surface Water:

- E1.1/E1.2: ACO ThresholdDrain OnePour threshold system has been designed to safeguard people from injury or illness, and other property from damage caused by surface water.
- E1.3.1/E1.3.2: When installed as per ACO documentation, ACO ThresholdDrain OnePour will protect property from surface water resulting from an event having a 10% probability of occurring annually or from surface water resulting from an event having a 2% probability of occurring entering a building.
- E1.3.3: When appropriately selected and installed correctly, ACO ThresholdDrain OnePour will convey surface water to an appropriate outflow using gravity flow where possible, avoid the likelihood of blockages and provide reasonable access for the maintenance and clearing of blockages within the threshold drain system and avoid the likelihood of damage from superimposed loads of normal ground movement.

NZBC E2 External Moisture:

- E2.7.3.2.1: ACO ThresholdDrain OnePour system complies with requirements stated in this clause
 - Minimum channel size 150mm x 200mm and a maximum length of 3700mm between outlets.
 - Ability to create a 1:200 fall along length of channel towards a drainage outlet, discharging to the surface water drainage system via a sump.
 - Channel and grate supported independently of the door frame, grating removable to allow access for cleaning and maintenance.
 - Gaps to prevent the wheels of wheel chairs and other mobility aids entering or being trapped in the grate.
 - A Continuous gap of 12mm minimum from door frame and wall cladding.

If properly maintained with normal maintenance, ACO products installed in the correct application and according to ACO’s installation instructions will hold their integrity for as long as the adjacent pavement will. ACO ThresholdDrain will meet the requirements of these such building elements as per B2.3.1 (b) 15 years and (c) not less than 5 years.

Limitations of the use of the building product:

ACO ThresholdDrain OnePour drainage system has been designed for compliance in New Zealand with reference to the New Zealand Building Codes (NZBC) listed above.

ACO ThresholdDrain OnePour is designed for areas accessible only to pedestrians and pedal cyclists.

If ACO ThresholdDrain OnePour is to be used in areas where acids and dilute alkalis are encountered please refer to the chemical resistance information found here: <https://www.acodrain.co.nz/resources/technical-data.htm>

Design requirements that would support the use of the building product:

Where level entry accessibility is required.

Scenarios where full access to the level threshold is required for maintenance or inspection as required.

A continuous gap of 12mm minimum is required from door frame and wall cladding.

Installation requirements:

The complete drainage system shall be by ACO and be installed for its intended purpose. Any deviation or partial use of the specified system and/or improper installation will void all warranties provided by ACO.

Installation of the ThresholdDrain is to be carried out by appropriately qualified personnel to applicable legislative requirements. All work should commence under the direct supervision of a certifying drainlayer as per the Plumbers, Gasfitters and Drainlayers Act 2006.

Please refer to the installation manual and relevant site installation files found on our website. Further site installation support is available: <https://thresholddrain.co.nz/thresholddrain/>

Maintenance requirements:

Regular inspections of the grated pit are recommended. Frequency will depend on local conditions and environment but should at least occur annually.

Inspections should cover:

- Fully removing grates for clear access.
- Concrete surround & adjacent paving.

All items should be inspected for damage, blockage or movement and compared with site drawings if needed.

Is the building product/building product line subject to warning or ban under section 26? No

ACO BuildLine

ThresholdDrain -

OnePour™

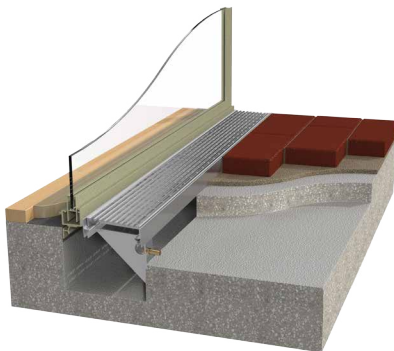
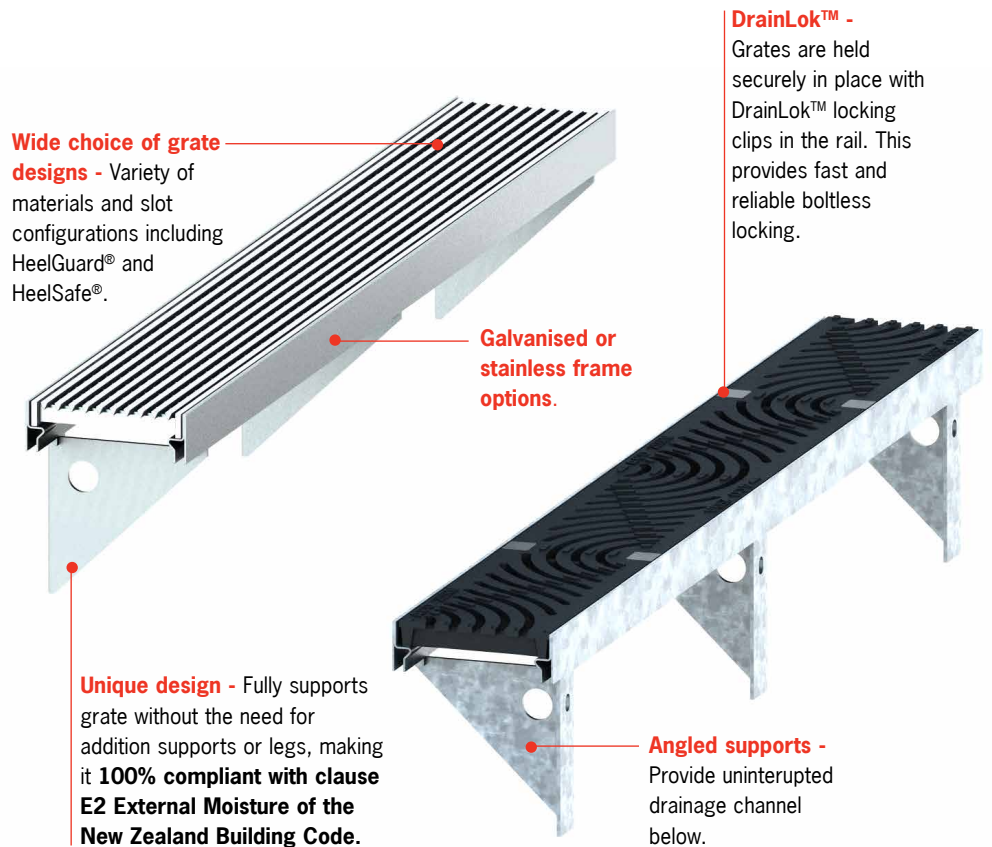
Single pour drainage system for level threshold building entries



Typical Applications

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

ACO Building Drainage



ACO ThresholdDrain

OnePour™ Leaflet



OnePour™ - E2 compliant single pour ThresholdDrain



OnePour™ ThresholdDrain

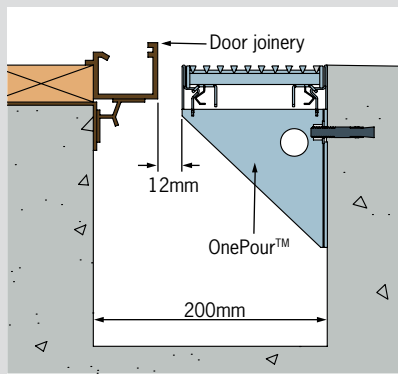
Drainage system designed to comply with the level threshold requirements in **E2 External Moisture** of the New Zealand Building Code. No supports or legs impede drainage channel and are completely interdependent of joinery/cladding.

OnePour™ can accommodate all **DrainLok™** grate designs complying with *Clause 9—AS 1428.2, Access and Mobility, ensuring safe passage of walking canes and wheelchairs.*

HeelGuard® grates have slots 10mm or less to prevent stiletto style heels becoming trapped.

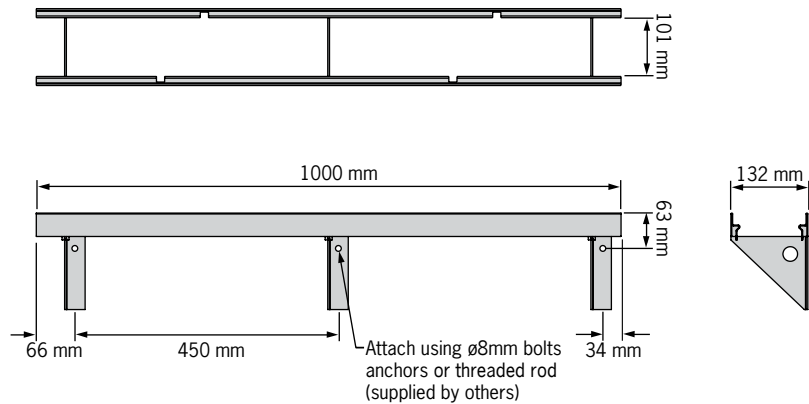
HeelSafe® grates offer anti-slip properties in addition to slots 10mm or less.

The unique design of OnePour™ allows installation with a single concrete pour, greatly reducing installation time and effort. Unique design also makes an ideal solution for retrofit installations.



Parts Table

	Part No		Length mm	Weight Kgs
	Galv	S/S		
OnePour™ frame - (1m)	296033	296034	1000	4.3



www.thresholddrain.co.nz

DrainLok™ grates

	Length mm	Part No	Wgt Kg				
Type 494D Black plastic intercept HeelSafe® Anti-Slip	500	142459	0.8	✓	✓	✓	✓
Type 495D Gray plastic intercept HeelSafe® Anti-Slip	500	142460	0.8	✓	✓	✓	✓
Type 450D S/S slotted	1000	12640	2.7	✗	✗	✓	✗
Type 445D S/S Wedgewire HeelGuard®	1000	141202	3.6	✓	✓	✓	✗
Type 443D S/S 5 Star HeelSafe®	1000	142217	3.2	✓	✓	✓	✓
Type 492D Black composite slotted HeelSafe® Anti-Slip	500	132720	1.0	✗	✓	✓	✓
Type 430D S/S mesh	1000	141744	4.1	✓	✗	✓	✗
Type 405D Galv mesh	1000	141739	4.1	✓	✗	✓	✗
Type 480D Iron wave HeelSafe® Anti-Slip	500	142461	4.5	✓	✓	✓	✓
Type 460D Iron slotted	500	12670	4.6	✗	✗	✓	✗
Type 476D Iron intercept HeelSafe® Anti-Slip	500	142171	5.8	✓	✓	✓	✓
Type 475D Iron Galv intercept HeelSafe® Anti-Slip	500	142172	5.8	✓	✓	✓	✓

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All reasonable care has been taken in compiling the information in this document. All recommendations and suggestions on the use of ACO products are made without guarantee since the conditions of use are beyond the control of the Company. It is the customer's responsibility to ensure that each product is fit for its intended purpose and that the actual conditions of use are suitable. ACO Limited reserves the right to change products and specifications without notice.

Re-order LENZ0011

