

ACO is the market leading modular trench drain system and is ideal for commercial applications.

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## Level of assurance needed to demonstrate NZ Building Code Compliance

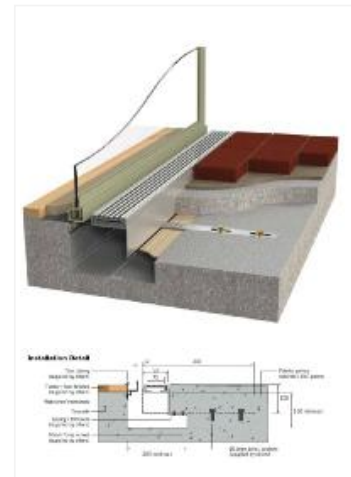
Supporting documentation should include self-assessment and technical information by manufacturer



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

SAI Global

[ISO9001:2015 - QEC1883](#)



## Technical Statement

### Product Description

KlassikDrain is available in 100mm, 200mm and 300mm widths and is a general purpose trench drain comprising modular Polycrete® Channels. Each interconnecting unit is manufactured complete with integrally cast galvanised steel edge rails (K100/K200/K300) or for enhanced corrosion resistance and aesthetics, stainless steel edge rails (KS100/KS200/KS300). Channels are available with the developed V profile and continuous sloped runs of 40m across all widths.

A variety of grates is available in different materials and styles up to load class D (AS 3996). This is equivalent to approximately 8 tonne wheel load. There is also a specialist range of grates marketed under the trademark, Heelsafe® Anti-Slip. These are pedestrian friendly grates with certified slip ratings to AS 4586.

For quick fitting and removal during installation and maintenance, all grates are locked down with the patented boltless mechanism, QuickLok.

### Scope of use

#### Typical Applications

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

### 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 E1.3.1, E1.3.2, E1.3.3, E1.3.3(a), E1.3.3(b), E1.3.3(c), E1.3.3(d), E1.3.3(e), E1.3.3(f)

### Evidence

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

ACO Threshold Drain System and Method

### Supporting Evidence

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

SAI Global

[ISO9001:2015 - QEC1883](#)

### Use in Service History

## Product Criteria

### Design requirements

CERTIFICATE OF GRANT LETTERS PATENT

PATENT NUMBER: 743481

Threshold Drain System and Method Patentee(s):

masterspec partner

### Company Contact Details



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# ACO Drain Threshold

Product Technical Statement: 109750



ACO LIMITED, Unit 1, 6 Percival Gull Place, MANGERE 2022, New Zealand. The patent date is 14 June 2018. The patent was granted on 2 July 2019.

## Installation requirements

ACO DRAIN grated trench drain systems must be encased in a concrete surround. A minimum concrete compressive strength of 25 MPa to NZS 3104 is recommended for the concrete surround. Refer to the standard installation drawings for minimum dimensional requirements for the concrete surround. Specific site conditions may require an increase in these dimensions or reinforcement. Ensure the concrete encasement is designed for the application. Engineering advice may be required.

For more information please visit <https://www.aconz.co.nz/home/technical/trench-drain-design-form/>

## Maintenance requirements

Please see <http://www.aco.co.nz> for all maintenance advice. All grates are removable and regular cleaning and removal of debris is advised to maintain the channel function.

For full details please contact our office at (0)9 815 9500 or [info@aconz.co.nz](mailto:info@aconz.co.nz).

## Warrantees

ACO Limited's guarantees/warranties for the products supplied are stated on the 'Standard Conditions of Sale' in Clause 12 Guarantee.

The following is an extract, Clause 12.2:

"ACO will repair or replace any of the Goods or parts thereof in respect of which any defects arise from faulty materials or workmanship or (subject to clause 12.1 above) from ACO's failure to supply Goods of the quality or specification ordered and are notified to ACO in writing within 6 months of the date of delivery provided all Goods have been paid for:

"The attached 'Standard Conditions of Sale' should be read in full.

Note, guarantees/warranties in regards to the installation of ACO products must be sourced from the installer.

## Company Product Information

### Quality Assurance



ISO 9001 (Quality Management)

### Relationships



New Zealand Intellectual Property Office 743481

### Videos

[K100 Build & Install](#)



Date last validated: **27 August 2019**



Date last updated: **27 August 2019**

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