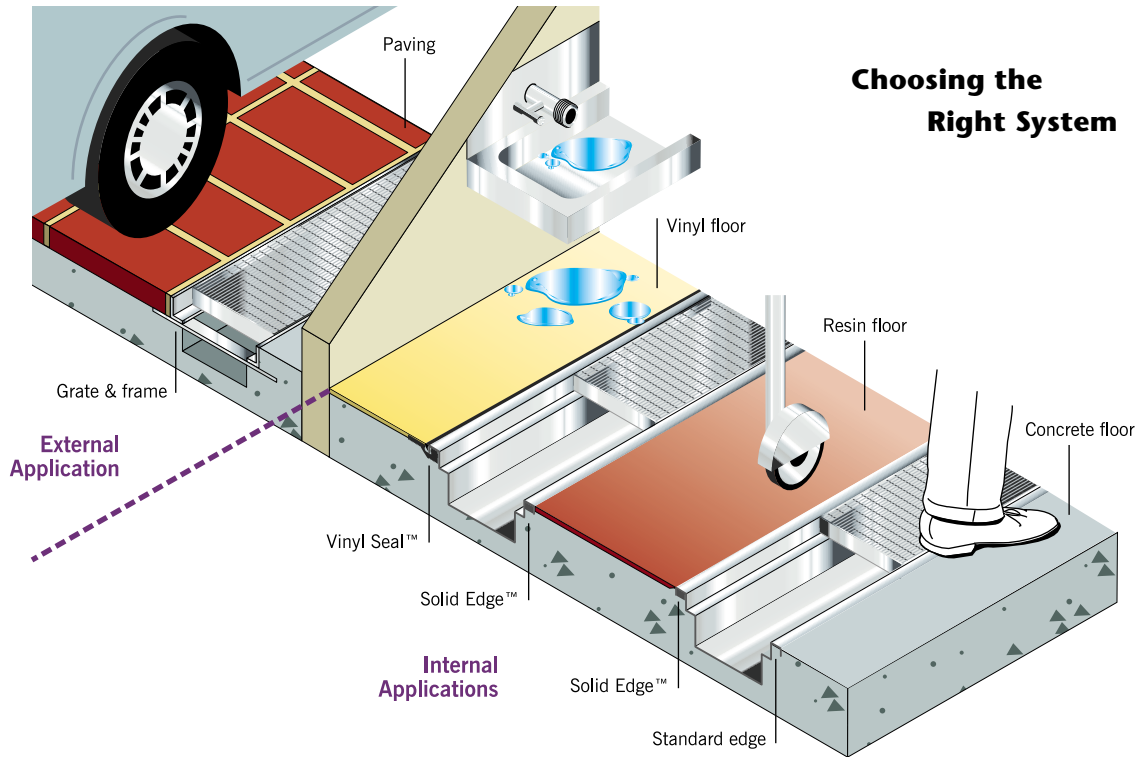


ACO stainless



Choosing the Right System

When selecting a stainless steel drainage system, the following issues must be considered:

1. Liquid Characteristics Grade 304 or 316

Ensure the correct grade of stainless steel is chosen for adequate chemical and temperature protection.
Refer to Chemical Resistance Chart on page 11

2. Load Class/Security [Class A, B, C, D & above]

Ensure the correct edge profile, grating and installation is selected to suit the load requirements of the project. ACO recommends that gratings are secured for heavy duty applications.
Refer to the Load Classifications Table below, locking device options on page 5 and typical installation drawings on page 10

3. Volume [Size of drain]

Ensure the widths, invert depths, grating types and any falls within the trough meet the hydraulic and installation requirements of the project.
Refer to Technical Services on page 10

4. Aesthetics & Safety [Style of Grate]

Ensure the correct grating and edge profile meet the aesthetic and safety requirements of the project.
Refer to clause 9c AS1428.2-1992 (right)

5. Outlet Type

Ensure the correct size and location of outlet is selected to meet the underground pipework requirements.

Load Class Classifications

There is no Australian Standard specifically governing the performance of stainless steel line drainage systems.

The table below, based on 'test' loadings outlined by AS3996-1992 (Metal Access Covers Road Grates & Frames) is intended as a guide only.

ACO believes that BS EN1253: Gullies for Buildings, provides the best measure of performance. The load classes in this code are also shown in the table below.

Note: Due to its smaller test pads, BS EN1253 exceeds the load requirements of AS3996.



AS1428.2-1992 Design for access and mobility - Part 2, clause 9(c) states:

Gratings If gratings are located in a walking surface, they shall have spaces not more than 13mm wide and not more than 150mm long. If gratings have elongated openings, they shall be placed so that the long dimension is transverse to the dominant direction of travel.

To simplify selection, please fill in all sections of the Project Specification Sheet on Page 12 or contact your local ACO Representative. ACO Technical Services will give specifiers and installers advice in choosing the correct drainage system for the application.

Load Class Classifications

AS3996	A. 10kN	B. 80kN	C. 150kN	Class D & above
BS EN1253	K 3	L 15	M 125	Limit of Code



Edge Profile

Standard	Dependent on grating			
Vinyl Seal™	Dependent on grating			
Solid Edge™	Dependent on grating			