









Load Class Guide

| Class Rating | | Nominal Wheel Loading (KG) | Serviceability Design Load (KN) | | Ultimate Design Load | | Recommended Uses |
|---|---|----------------------------|---------------------------------|--------|----------------------|--------|---|
| | | | AS3966 | EN1443 | AS3966 | EN1443 | |
|  | <i>Residential</i> Will withstand 1.5 tonne wheel | N/A | N/A | N/A | N/A | N/A | A non-rated drainage channel designed for use in residential applications such as footpaths and driveways. Will withstand 1.5 Tonne wheel loading |
|  | <i>Class A</i> Pedestrians, cyclists | 330kg | 6.7 | 10 | 10 | 15 | Precincts (including footpaths) accessible only to pedestrians & cyclists, closed to any other traffic. |
|  | <i>Class B</i> Passenger, Light commercial vehicles | 2,670kg | 53 | 83 | 80 | 125 | Areas (including driveways & footpaths) accessible to passenger & light commercial vehicles. |
|  | <i>Class C</i> Slow moving vehicles, heavy commercial vehicles | 5,000kg | 100 | 167 | 150 | 250 | Shopping centres, driveways, parking zones and areas open to slow moving and heavy commercial vehicles. |
|  | <i>Class D</i> Highways & fast moving heavy vehicles | 8,000kg | 140 | 267 | 240 | 400 | Highways & roads, warehouse and parking areas subject to fast moving heavy commercial vehicles (rigid/articulated trucks) |
|  | <i>Class E</i> Heavy wheeled vehicles, mining & industrial | 13,700kg | 267 | 400 | 400 | 600 | Commercial heavy wheeled traffic, hardwheeled forklifts (pneumatic/solid tyre), construction equipment, military and mining vehicles |
|  | <i>Class F</i> High wheeled vehicles, container terminals, docks | 20,000kg | 400 | 600 | 600 | 900 | High speed vehicles, shipping docks and aircraft traffic subject to high wheel loads. |
|  | <i>Class G</i> Heavy loading areas, aircraft pavements, runways | 30,000kg | 600 | 600 | 900 | 900 | Docks and aircraft pavements subject to very high wheel loads, extra heavy duty. |

Nominal wheel loadings are given as a guide only. Consideration should be given to pneumatic pressure, type & size of load.



Wheelchair and walking cane compliance

AS 1428.2 Clause 9 Ground and floor surfaces, specifies grate requirements.

'If gratings are located in a walking surface, they shall have spaces no more than 13mm wide and no 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'