

GENERAL

The installation of cast iron access covers and mild steel grates and frames are relative to the specific use of the product.

| Light Duty Applications – Class B | Medium Duty Applications – Class C | Heavy Duty Applications – Class D |
|--|---|---|
| <i>Private and shared residential property. Suitable for vehicles accessing driveways and footways. Low speed only. Purpose – residential driveways. Unit sites. Parklands. Residential car parks.</i> | <i>Residential roads and car parks trafficable to vehicles. Purpose – areas with slow moving traffic and minor roads.</i> | <i>Major roads including freeway and motorway shoulders. Warehouses and loading docks. Purpose – major roads.</i> |
| Nominal wheel loading ¹ 2670kg | Nominal wheel loading ² 5000kg | Nominal wheel loading ³ 8000kg |

STEP

1. Preparation

Ensure the Class of product suits the traffic application.

2. Position Cover in Frame

- Clean all cover and frame matching surfaces to ensure they are free of excess dirt.
- Cover and frame edges must be level.
- Installation bolts must be identified and removed just prior to infilling the covers.
- Ensure the frame is flat and level with the finished surface level required.
- Ensure the frame is square around the cover and that the cover does not rock.
- Fit plastic plugs into keyholes.

3. Pour Concrete

- Concrete must be of at least 32Mpa.
- Ensure all concrete is free of voids.
- Ensure that concrete is vibrated, particularly under the frame, and the concrete both under the frame and inside the cellular frame structure reaches the same Mpa as the base concrete.
- Screed of excess concrete to a neat finish (cover ribs and edges should be visible).
- Allow to cure before attempting to remove cover as early movement may distort the frame and affect the seal.

4. Strip & Seal

- After curing period, remove cover.
- Strip out formwork.
- Ensure concrete FULLY supports the frame and is free from all voids.
- Clean and apply heavy grease to all mating surfaces before returning cover to its original position.

¹ AS3996:2019 Access covers and grates, Table 3.1.

² AS3996:2019 Access covers and grates, Table 3.1.

³ AS3996:2019 Access covers and grates, Table 3.1.