

| FACTA Class             | Comparisons*** |                                | GLW   | Wheel Loads                            |                                    | Load Test D   |  |
|-------------------------|----------------|--------------------------------|---|--|------------------------------------|---|--|
|                         | EN124 Class    | BS497 approx. equivalent class | Gross Laden Vehicle Weight                    | Wheel Loads ** (Slow Moving pneumatic) | Wheel Loads ** (Slow Moving solid) | Acceptance Test (Static Wheel Load plus overload & dynamic effects) | Strength Test (Acceptance Test load plus ultimate safety factor) |
| A Pedestrian            | A15            | C                              | Pedestrian Duty                               | 0.6 tonne (5kN)                        | N/A                                | 5.0 x 1.0 x 1.0 = 5.0kN   | 5.0 x 1.6 = 8.0kN  |
| AA Domestic driveways   | N/A            | N/A                            | 5 Tonne                                       | 1.5 tonne (15kN)                       | N/A                                | 15.0 x 1.1 x 1.15 = 19.0kN  | 19.0 x 1.6 = 31.0kN  |
| AAA Light Pallet Trucks | N/A            | N/A                            | 10 Tonne                                      | 2.5 tonne (25kN)                       | 0.5 tonne                          | 25.0 x 1.1 x 1.15 = 32.0kN  | 32.0 x 1.6 = 52.0kN  |
| B Pick Up Trucks        | B125           | B                              | Up To 44 Tonne *                              | 5.0 tonne (50kN)                       | 0.75 tonne                         | 50.0 x 1.1 x 1.15 = 63.25kN   | 63.25 x 1.6 = 101.0kN  |
| C Industrial plants     | C250           |                                | Up to 44 tonne but under special conditions * | 6.5 tonne (65kN)                       | 1.0 tonne                          | 65.0 x 1.1 x 1.15 or 50.0 x 1.1 x 1.5 = 82.5kN                      | 82.5 x 1.6 = 132.0kN   |
| D Fast Moving HGV's     | D400           | D                              | Up to 44 tonne but under special conditions * | 11.0 tonne (108kN)                     | 3.0 tonne                          | 108.0 x 1.1 x 1.15 or 50.0 x 1.1 x 2.5 = 137.5kN                    | 137.5 x 1.6 = 220.0kN  |
| E Heavy Duty Fork-lifts | E600           | N/A                            | Special application vehicles                  | 16.0 tonne (158kN)                     | 5.0 tonne                          | 158.0 x 1.1 x 1.15 = 200.0kN  | 200.0 x 1.6 = 320.0kN  |
| F Airfields             | F900           | N/A                            | Special application vehicles                  | 24.0 tonne (237kN)                     | N/A                                | 237.0 x 1.1 x 1.15 = 300.0kN  | 300.0 x 1.6 = 480.0kN  |

- \* Under the "Road Vehicles (Authorised Weight) Regulations 1998", Axle weights for the UK are limited to 11.5 tonnes maximum 'Refer to' Acceptance Test for maximum design load/load bearing capacity)
- \*\* Slow moving wheel loads are deemed to be speeds no greater than 20mph.
- \*\*\* These comparisons are for guidance only and are not intended to be exact

## TYPICAL APPLICATIONS



### Class A

Internal and external areas which can only be used by pedestrians or cycles i.e. toilets, changing rooms, footways and cycle tracks.



### Class C

Factories, industrial plants, special axle loads, kerb side drainage. Industrial areas where pallet and small fork-lift trucks operate.



### Class AA

Very light industrial areas, where small trolleys and private cars/vans can manouvre i.e. Domestic driveways, trolley parks, hospital wards.



### Class D

Heavy duty plant areas carriageways and industrial service roads where fast moving HGVs reach speeds of 20mph max. Areas where medium duty fork-lift trucks operate.



### Class AAA

Delivery/service areas, shopping malls, light industrial areas. Light industrial areas, where trolleys and light pallet trucks operate.



### Class E

Dockside and container storage areas where heavy transporters operate. Very heavy industrial areas where large heavy duty fork-lift trucks operate.



### Class B

Pedestrian precincts, forecourts, commercial delivery/ parking areas. Factories, industrial plants, where pick-up trucks and small pallet trucks operate.



### Class F

Civil and military airfield aprons, where particularly heavy wheel loads are imposed by aircraft and towing vehicles.

