









4. CLASSIFICATION - TABLE 1

Fabricated access covers complying with the requirements of this specification shall be graded as follows:

FACTA Class	Comparisons***		GLW	Wheel Loads		Load Test Data		Typical Applications	
	EN124 Class	BS497 approximate equivalent class	Gross Laden Vehicle Weight (slow moving)	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)	Pneumatic Tyres	Solid Tyres
A 	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	Internal and external areas which can only be used by pedestrians or cycles i.e. toilets, changing rooms, footways and cycle tracks.	
AA 	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	Very light industrial areas, where small trolleys and private cars/vans can manoeuvre i.e. Domestic driveways, trolley parks, hospital wards.	
AAA 	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	Delivery/service areas, shopping malls, light industrial areas	Light industrial areas, where trolleys and light pallet trucks operate.
B 	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	Pedestrian precincts, forecourts, commercial delivery/parking areas.	Factories, industrial plants, where pick-up trucks and small pallet trucks operate.
C 	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	Factories, industrial plants, special axle loads, kerb side drainage	Industrial areas where pallet and small fork-lift trucks operate
D 	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	Heavy duty plant areas carriageways and industrial service roads where fast moving HGVs reach speeds of 20mph max.	Heavy duty industrial areas where medium duty fork-lift trucks operate
E 	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	Dockside and container storage areas where heavy transporters operate	Very heavy industrial areas where large heavy duty fork-lift trucks operate.
F 	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	Civil and military airfield aprons, where particularly heavy wheel loads are imposed by aircraft and towing vehicles.	

* 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.

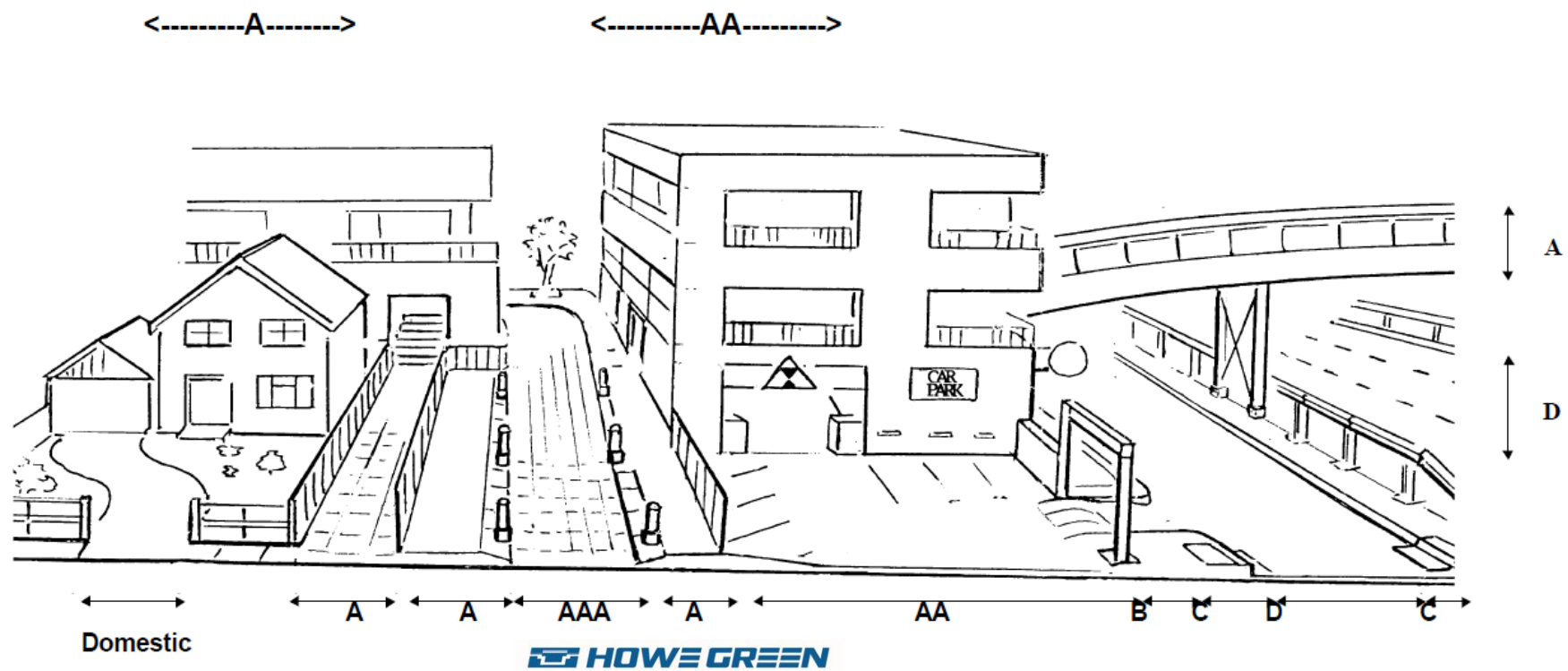


Figure 4. Typical applications of FACTA Performance Classes