

FACTA LOADINGS:-



SURESPAN



FACTA Class	Comparisons***		GLW	Wheel Loads		Load Test Data	
	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:-



SURESPAN



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 manoeuvre 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.