

Essential Pedestrian with Impact

The X-Protect Essential Pedestrian with Impact Barrier combines pedestrian and vehicle protection in medium-duty areas. It absorbs impact energy at floor level, minimising damage and maintaining safety where people and vehicles interact.



The Essential Pedestrian with Impact Barrier is designed to safeguard walkways where pedestrians and medium-duty vehicles operate in close proximity. Engineered for combined protection, it effectively separates people from vehicles while absorbing impact energy at floor level, helping to reduce damage and enhance overall site safety.

This configuration is ideal for facilities where moderate vehicle activity occurs, such as areas with pallet trucks, tuggers or light forklifts. The impact-resistant lower section protects against low-level collisions while maintaining a clear and unobstructed view of pedestrian routes.

Installation is straightforward, with a low fixing count that makes assembly quick and minimises floor damage during setup or repairs.

Key features

- Fast to install
- Kind to the floor
- Easy to repair

Impact test results					
Area of impact	Load	Equivalent to		90° Deflection	Force to fixings
Centre of barrier C - C as below					
2000mm	3100 J	2500kg 5.7 km/h	1500kg 7.3 km/h	295mm	5.7kN
Posts					
End post	1500 J	2500kg 3.9 km/h	1500kg 5 km/h	500mm	3.2kN
Mid post	1500 J	2500kg 3.9 km/h	1500kg 5 km/h	450mm	3.3kN

Models

Posts 3 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
 BCC0-116-I1P2-E1 Corner post	1160		2000	
 BEE0-117-I1P2 End post	1170		2000	
 BEM0-117-I1P2 Mid post	1170		2000	

Impact rails 7 articles

ARTICLES / DESCRIPTION	HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
 RCI1-027-0050 Impact rail		270	500	
 RCI1-047-0070 Impact rail		470	700	
 RCI1-077-0100 Impact rail		770	1000	
 RCI1-127-0150 Impact rail		1270	1500	

	RCI1-177-0200 Impact rail	1700	2000
	RCI1-227-0250 Impact rail	2270	2500
	RCI1-277-0300 Impact rail	2770	3000

Hand rails 5 articles

ARTICLES / DESCRIPTION		HEIGHT (MM)	LENGTH (MM)	CC (MM)	OTHER
	RCP1-027-0050 Hand rail		270	500	
	RCP1-047-0070 Hand rail		470	700	
	RCP1-077-0100 Hand rail		770	1000	
	RCP1-127-0150 Hand rail		1250	1500	
	RCP1-177-0200 Hand rail		1770	2000	