



SafeDefence Barrier Protection Systems

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Kingspan[®]



Raising Standards
Safety Assured

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FLEXsafe Protection Systems

FLEXsafe, is a unique high performance, flexible, synthetic polymer protection technology. It is designed to be flexible upon impact and absorb a force, that is gradually stopped, without creating any damage.

Workplace Risks

- Health and safety statistics, show that there are approximately 50 fatalities and more than 5,000 injuries, linked to accidents, involving workplace transport each year in the UK*
- Mixing vehicles and pedestrians, increases the risk of accidents
- The movement of goods and materials, involves the use of a wide range of vehicles and accounts, for a large proportion of accidents in the workplace

*HEALTH AND SAFETY EXECUTIVE. Workplace transport safety, A brief guide, INDG199 (rev2), 2013.

Protection for People, Assets & Equipment

- Highly resistant to impact
- Minimum maintenance
- Quick repair at minimal cost
- Hygienic & easy to clean
- UV protection – zero discolouration
- 100% recyclable
- Unique single “hidden” fix system
- Food safe

Product Overview

Kingspan SafeDefence Protection Systems, consist of high performance, synthetic polymer technology which is tested and certified, to provide robust protection for people, assets and equipment.

The Range Includes

- KPSPost, for the protection of walls, doors and corners
- KPDRail, for the protection of people, in areas of forklift and other mobile machinery
- KPSBarrier-S, KPSBarrier-D and KPDBarrier-H, to protect walls, columns and other objects at varying heights
- KPSGoalpost, for door perimeter protection

Materials

Protection systems are manufactured from either solid high performance synthetic polymer technology, or our latest high performance flexible protection technology, FLEXsafe.

All products are located and installed, independent of the elements to be protected, removing the risk of damage, from impact transmission. Hygienic and easy to clean, low maintenance and carrying food-quality certification, these high performance, synthetic polymer protection systems, have been designed, to suit all industries, from food preparation, to logistics and clean-room applications, to distribution.

Testing

Kingspan SafeDefence Protection Systems, have been subjected to robust, independent impact testing, to determine the force they can withstand and their displacement. Test results indicate, that the protection systems elastic / flexible design, outperforms many comparable systems.



KPSPost-S

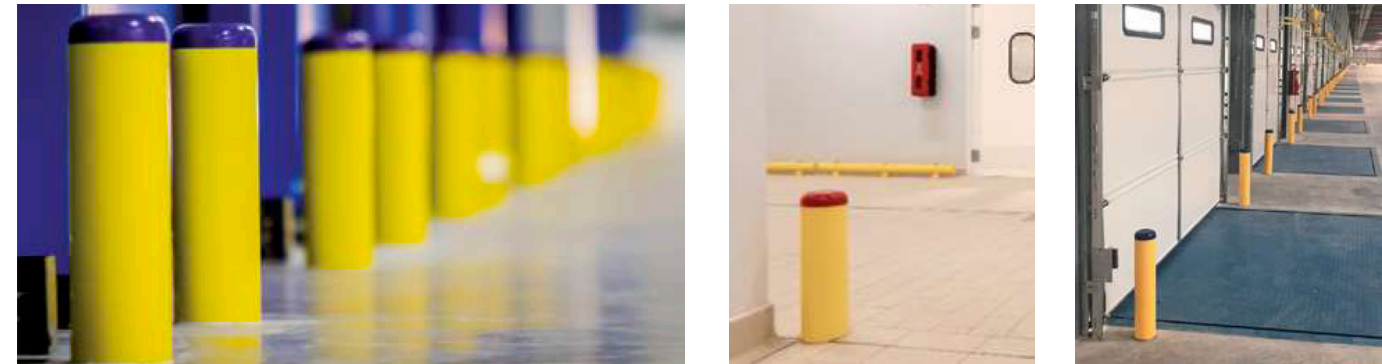
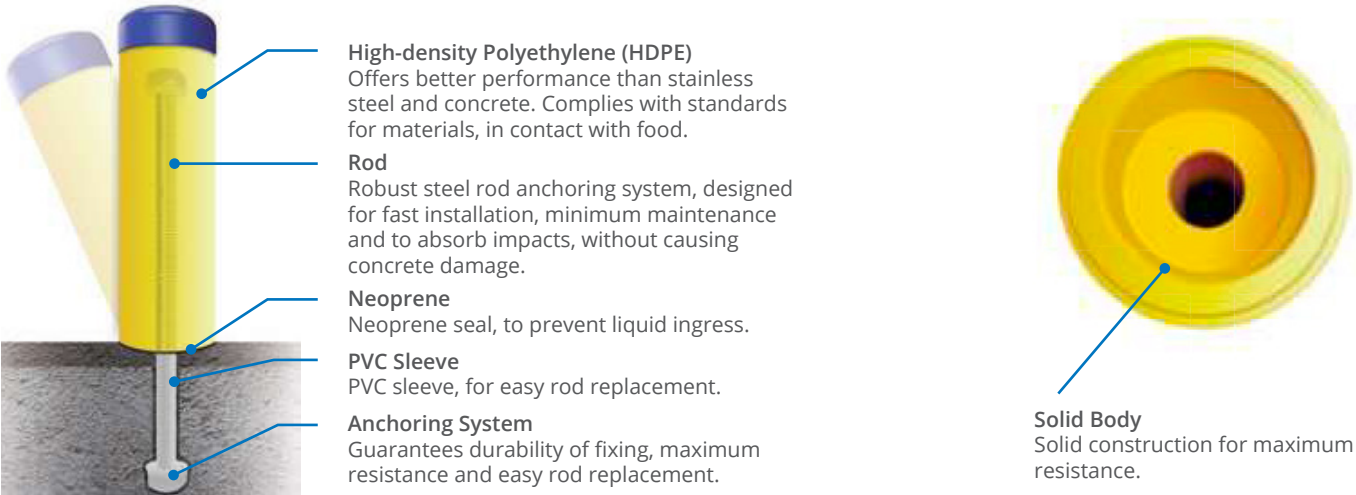
Our KPSPost-S, provides a high-performance solution, for the protection of building corners, inner and outer door areas and walls, as well as smaller surface areas. KPSPost-S, is manufactured from, a high performance, synthetic polymer, to provide maximum impact resistance and as they are self-coloured as opposed to painted, they offer superior resistance to UV rays.

Technical Specification

Pallet truck

Forklift

Dimensions (mm)			Drilling (mm)	
Diameter	Height	Rod Ø	Ø	Depth
<div>Pallet truck</div> 70	266	20	48	150
<div>Forklift</div> 100	430	30	68	150
<div>Forklift</div> 100	530	30	68	150
<div>Forklift</div> 100	1000	30	68	150
<div>Forklift</div> 120	430	30	68	150
<div>Forklift</div> 120	530	30	68	150
<div>Forklift</div> 120	800	30	68	150
<div>Forklift</div> 120	1000	30	68	150
<div>Forklift</div> 180	430	30	68	150
<div>Forklift</div> 180	800	30	68	150
<div>Forklift</div> 180	1000	30	68	150



KPSPost-H

Featuring FLEXsafe Technology, to safely absorb impacts, KPSPost-H, is available in various heights and thickness's. KPSPost-H, provides a superior, durable protection solution, that can be used in a range of different applications, from door protection, to signposting, on pedestrian walkways.

Technical Specification

Forklift/Truck

Dimensions (mm)			Drilling (mm)	
Diameter	Height	Rod Ø	Ø	Depth
<div>Forklift/Truck</div> 110	1000	30	68	150
<div>Forklift/Truck</div> 110	1500	30	68	150
<div>Forklift/Truck</div> 110	2000	30	68	150
<div>Forklift/Truck</div> 110	2500	30	68	150
<div>Forklift/Truck</div> 170	1000	30	68	150
<div>Forklift/Truck</div> 170	1200	30	68	150
<div>Forklift/Truck</div> 170	1500	30	68	150
<div>Forklift/Truck</div> 170	2000	30	68	150
<div>Forklift/Truck</div> 170	2500	30	68	150



KPSBarrier-S

The unique anchoring system of KPSBarrier-S, offers ultimate protection, for columns and walls, whilst allowing fast installation and no concrete damage, upon impact. KPSBarrier-S, can also be used, as a wheel guide, to help guide drivers reversing articulated trailers, to dock levellers and doors, for loading / offloading purposes. Manufactured from high performance, synthetic polymer protection technology, its durable design, provides excellent impact resistance and ensures maximum protection.

Technical Specification

Pallet truck

Forklift/Truck

Dimensions (mm)					Drilling (mm)	
Diameter	Length	No. of Bases	Height	Rod Ø	Ø	Depth
<div>70</div>	500	2	125	16	38	150
<div>70</div>	1000	2	125	16	38	150
<div>70</div>	1500	3	125	16	38	150
<div>70</div>	2000	3	125	16	38	150
<div>100</div>	500	2	155	20	48	150
<div>100</div>	1000	2	155	20	48	150
<div>100</div>	1500	3	155	20	48	150
<div>100</div>	2000	3	155	20	48	150
<div>100</div>	2500	4	155	20	48	150
<div>120</div>	500	2	175	20	48	150
<div>120</div>	1000	2	175	20	48	150
<div>120</div>	1500	3	175	20	48	150
<div>120</div>	2000	3	175	20	48	150
<div>120</div>	2500	4	175	20	48	150



KPSBarrier-D

Offering the same protection performance, as our KPSBarrier-S, but at various heights. KPSBarrier-D, is manufactured from high performance, synthetic polymer protection technology. Its unique design, caters for impacts, from a higher level, compared to KPSBarrier-S.

Technical Specification

Forklift/Truck

Dimensions (mm)					Drilling (mm)	
Diameter	Length	No. of Bases	Height	Rod Ø	Ø	Depth
<div>70</div>	500	2	230	20	48	150
<div>70</div>	1000	2	230	20	48	150
<div>70</div>	1500	3	230	20	48	150
<div>70</div>	2000	3	230	20	48	150
<div>100</div>	500	2	300	20	48	150
<div>100</div>	1000	2	300	20	48	150
<div>100</div>	1500	3	300	20	48	150
<div>100</div>	2000	3	300	20	48	150
<div>120</div>	500	2	340	20	48	150
<div>120</div>	1000	2	340	20	48	150
<div>120</div>	1500	3	340	20	48	150
<div>120</div>	2000	3	340	20	48	150

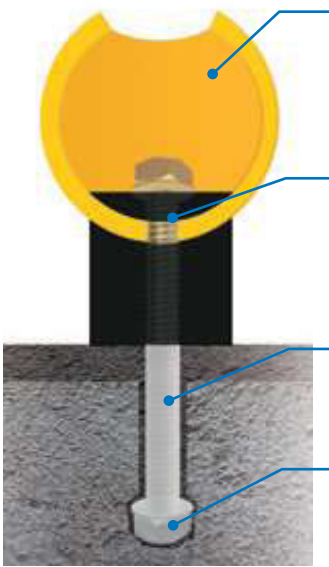


KPSBarrier-H

KPSBarrier-H, features FLEXsafe, a superior high performance, flexible, synthetic polymer protection technology. FLEXsafe Technology, is specifically designed, to safely absorb impacts, by bending at the point of impact, gradually bringing it to a stop.

Technical Specification ● Forklift/Truck

Dimensions (mm)					Drilling (mm)	
Diameter	Length	No. of Bases	Height	Rod Ø	Ø	Depth
● 110	500	2	175	14	36	150
● 110	1000	2	175	14	36	150
● 110	1500	3	175	14	36	150
● 110	2000	3	175	14	36	150
● 170	500	2	220	20	48	150
● 170	1000	2	220	20	48	150
● 170	1500	3	220	20	48	150
● 170	2000	3	220	20	48	150



High Performance Flexible Synthetic Polymer featuring FLEXsafe Technology
Offers superior protection, that absorbs impact and requires minimum maintenance.

Rod
Robust steel rod anchoring system, designed for fast installation, minimum maintenance and to absorb impacts, without causing concrete damage.

PVC Sleeve
PVC sleeve, for easy rod replacement.

Anchoring System
Guarantees durability of fixing, maximum resistance and easy rod replacement.



KPSGate

Designed to provide a safe entry / exit point, for protected pedestrian walkways, KPSGate, compliments KPSPost-S and can be mechanically fixed to vertical posts, to provide a fully enclosed walkway. KPSGate, is designed and manufactured, with pedestrian safety in mind, whilst using the same high performance synthetic polymer technology, as other protective systems.

Technical Specification

Product Code	Product Dimensions
GATE1000	1000mm x 850mm
GATE1100	1100mm x 400mm



KPSRail-S

KPSRail-S, is designed, to provide superior protection, in pedestrian and high traffic areas. KPSRail-S, is manufactured from high performance, synthetic polymer protection technology. Its robust design, protects people and high value equipment / assets, from impacts, that may cause injury or damage.

Technical Specification ● Forklift

Dimensions (mm)					Drilling (mm)	
Diameter	Length	No. of Bases	Height	Rod Ø	Ø	Depth
● 70 / 70	1500	3	1000	16	38	150
● 70 / 70	2000	3	1000	16	38	150
● 100 / 70	500	2	1000	20	48	150
● 100 / 70	1000	2	1000	20	48	150
● 100 / 70	1500	2	1000	20	48	150
● 100 / 70	2000	3	1000	20	48	150
● 120 / 70	500	2	500	20	48	150
● 120 / 70	1000	2	500	20	48	150
● 120 / 70	1500	3	500	20	48	150
● 120 / 70	2000	3	500	20	48	150
● 120 / 70	500	2	800	20	48	150
● 120 / 70	1000	2	800	20	48	150
● 120 / 70	1500	3	800	20	48	150
● 120 / 70	2000	3	800	20	48	150
● 120 / 70	500	2	1000	20	48	150
● 120 / 70	1000	2	1000	20	48	150
● 120 / 70	1500	3	1000	20	48	150
● 120 / 70	2000	3	1000	20	48	150

KPSRail-B and KPSRail-H

KPSRail-B (Barrier Rail), has been designed, for high traffic environments, whereas KPSRail-H (Pedestrian Rail), has been designed for low traffic environments. Both systems, typically provide protection, that complements internal pedestrian walkways, to safely divide people from the dangers associated to internal traffic.

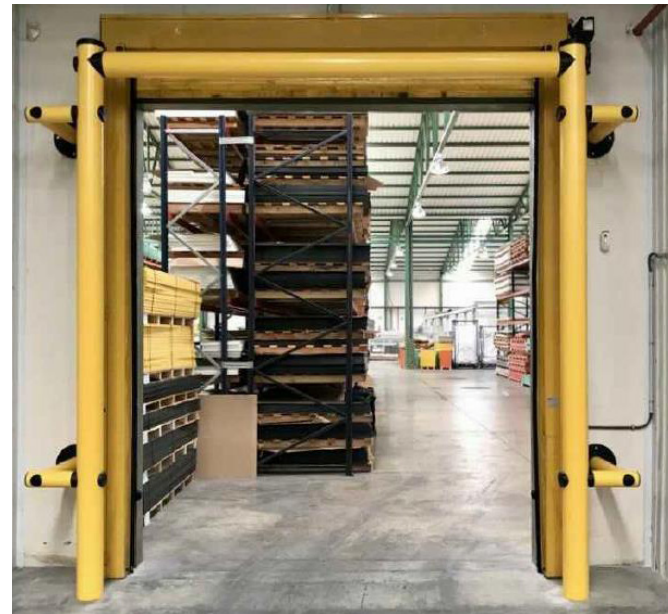
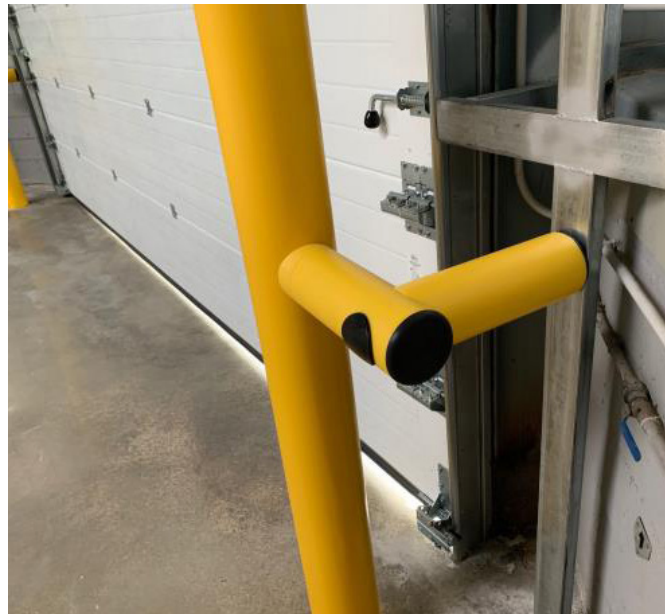
Technical Specification ● Pallet truck ● Forklift/Truck

Dimensions (mm)					Drilling (mm)	
Diameter	Length	No. of Bases	Height	Rod Ø	Ø	Depth
● 70 / 40	1500	2	1100	14	36	150
● 120 / 70 / 40	1000	2	1100	20	48	150
● 120 / 70 / 40	2000	3	1100	20	48	150



KPSGoalpost

KPSGoalpost, is a proven door perimeter protection system, that features FLEXsafe technology. Its unique design, provides maximum protection, for internal or external door systems. Designed to safely “flex” upon impact and to ensure impact resistance, KPSGoalpost is tailored and manufactured to specific door sizes.

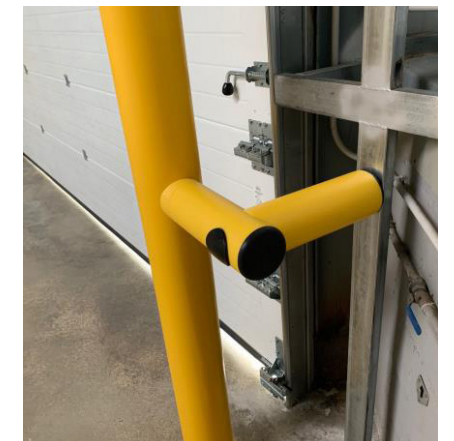
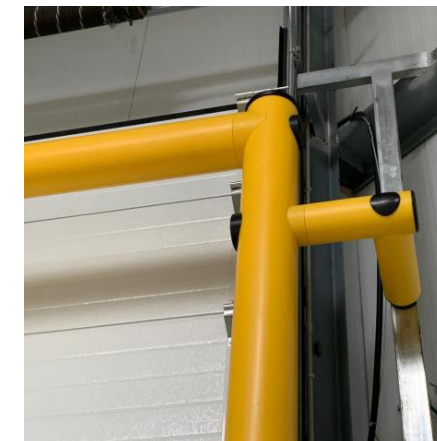
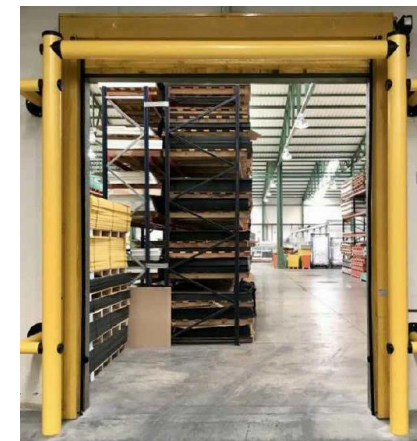


Applications for Protection Systems

Wheel Guides



Goalposts - Internal and External Door Protection



Applications for Protection Systems

Racking Post



Racking Rail

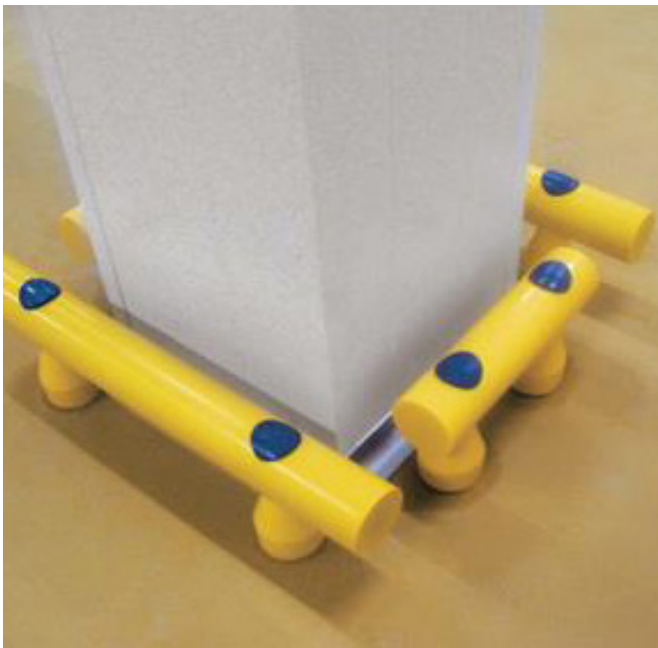


Applications for Protection Systems

Car Stop Barriers



Column Protection



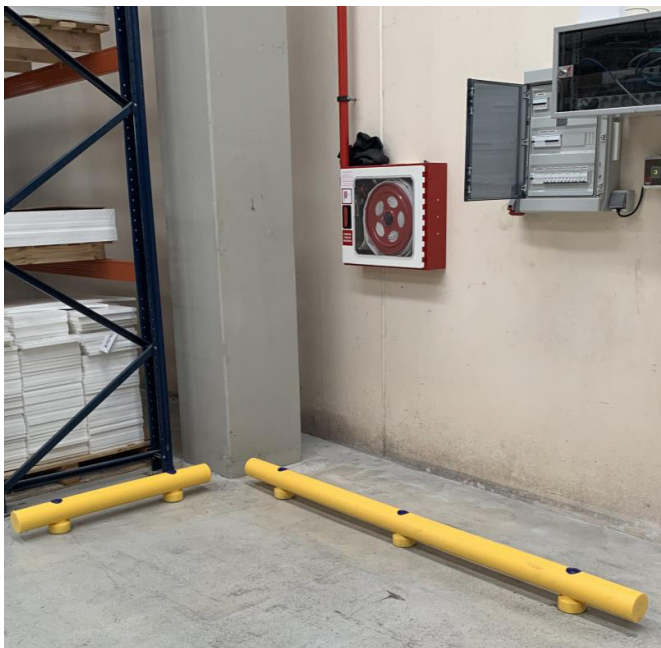
Racking Barriers



Pedestrian Rails



Equipment Protection



Equipment Protection



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