

SafeDefence

Protection Systems KPSBarrier-S Product Data Sheet



Authorised
Distributor

Australian and New Zealand exclusive
distributor for Kingspan Protection Systems

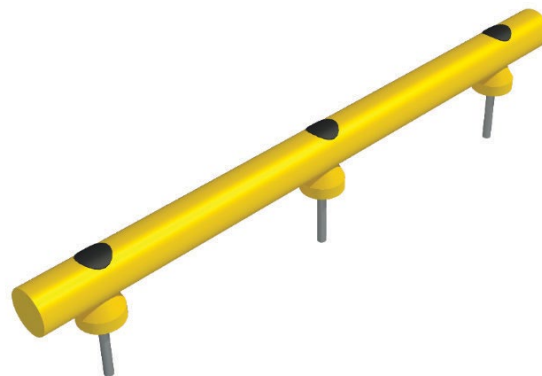
www.safedefence.com.au

Product Data

The unique anchoring system of KPSBarrier-S offers ultimate protection for columns and walls while 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 leveller doors for loading / offloading purposes. Manufactured from high performance synthetic polymer technology, its durable design provides excellent impact resistance and ensures optimum protection.

FLEXsafe™



Product Features

- Zero concrete damage upon impact
- 25 year life expectancy
- No exposed fixings shown
- Common single threaded rod anchor system used across all products
- Minimal maintenance once installed
- Easily removable threaded rod should it ever need to be replaced

Dimensions

KPSDoubleBarrier-S – Dimensions (mm)					Drilling (mm)		
Diameter	Length	No. of Bases	Height	Rod Ø	Hole Ø	Depth	
70	500	2	120	16	38	150	
70	1000	2	120	16	38	150	
70	1500	3	120	16	38	150	
70	2000	3	120	16	38	150	
100	500	2	150	20	48	150	
100	1000	2	150	20	48	150	
100	1500	3	150	20	48	150	
100	2000	3	150	20	48	150	
120	500	2	170	20	48	150	
120	1000	2	170	20	48	150	
120	1500	3	170	20	48	150	
120	2000	3	170	20	48	150	

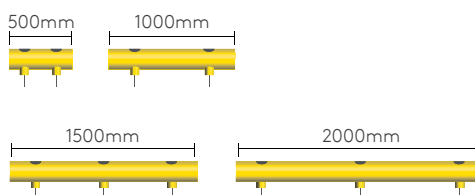
Product Properties

Temperature Range	-40°C to +80°C
Chemical Resistance	High resistance to acids, alkali and solvents
UV Resistance	Tested to BS EN ISO 4892-2:2014
Food Contact	Tested to BS EN 1186-2:2002 and BS EN 1186-3:2002
Material Impact Strength	Without break – DIN EN ISO 179

Standard Options



Other colours available on request.



Technical Drawings



- Please scan the QR code to gain access to our Revit parts through BIM360.
- For 2D CAD files and layout requests please contact Technical Team.

Warranty



- KPS Product system covered by Kingspan Warranty.
- Covering for product material performance.
- For more Information please contact Technical team.



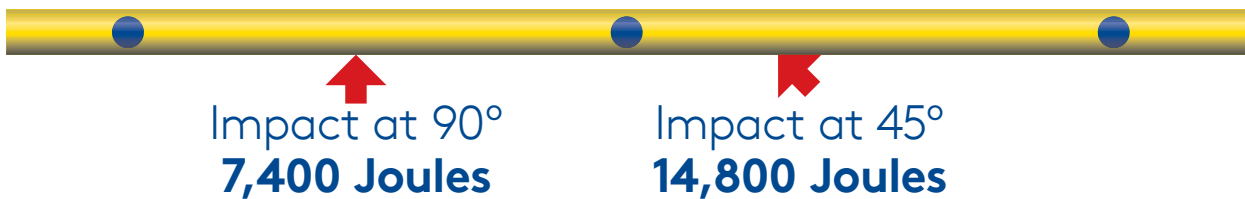
Impact Load Testing

Kingspan endeavours to underpin performance with third party independent testing. The university of Engineering and Architecture of Zaragoza, Spain have carried out onerous static load testing on various Kingspan SafeDefence Protection. As well as static load testing, dynamic impact testing has also been carried out on our entire product range. This has been completed by an independently verified testing facility, TUV Nord, showing market leading impact resistance.

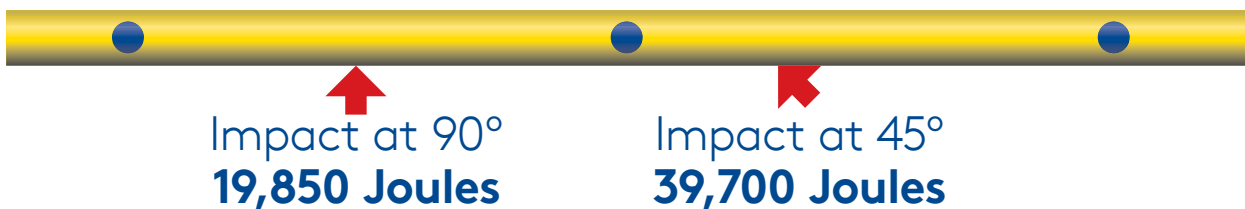
To calculate energy on impact, equivalent to the below:

$$\frac{1}{2} \text{ Mass (kg)} \times \text{Speed}^2 \text{ (km/h)} = \text{Joules (J)}$$

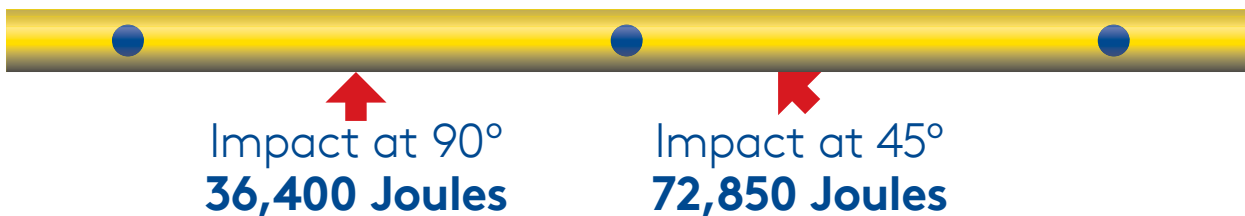
KPSDoubleBarrier-S 70mm



KPSDoubleBarrier-S 100mm



KPSDoubleBarrier-S 120mm



Environmental

- Minimum 40% recycled content and up to 60% in black colored components.
- All products 100% recyclable.
- Replacement and repair process designed for product reuse and minimal waste.

Contact Details



Australian and New Zealand exclusive distributor for Kingspan Protection Systems
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www.safedefence.com.au

For the product offering in other markets please contact your local sales representative or visit www.kingspanpanels.com

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