

**Kingspan**

# SafeDefence Barrier Protection Systems

## FLEXsafe Technology

- 1 High Performance Flexible Synthetic Polymer featuring FLEXSafe Technology**  
Offers superior protection that absorbs impact and requires minimum maintenance.
- 2 Steel Rod Fixing**  
Robust steel rod anchoring system designed for fast installation, minimum maintenance and to absorb impacts without causing concrete damage.
- 3 PVC Sleeve**  
PVC sleeve for easy rod replacement.
- 4 Anchoring System**  
Guarantees durability of fixing, maximum resistance and easy rod replacement.



## Synthetic Polymer Technology

- 1 High Performance Synthetic Polymer**  
Offers superior protection that requires minimum maintenance.
- 2 Steel Rod Fixing**  
Robust steel rod anchoring system designed for fast installation, minimum maintenance and to absorb impacts without causing concrete damage.
- 3 Neoprene Seal**  
Neoprene seal to prevent liquid ingress.
- 4 Easy to Access**  
PVC sleeve for easy rod replacement.
- 5 Single Point Anchoring System**  
Guarantees durability of fixing, maximises resistance, eliminates concrete floor damage and allows for easy rod replacement.
- 6 Solid Body**  
Solid construction for maximum resistance.



## The benefits

- High performance Kingspan FLEXsafepolymer or synthetic polymer technology with smooth clean surfaces helping minimise dirt / dust traps
- No exposed steel, therefore, no risk of exposed corrosion
- Unique single fix threaded rod anchoring system helping mitigate floor damage upon impact
- Single rod fixing increases speed of installation and therefore less time on site
- Easily maintained or temporarily removed.
- Independently tested in accordance with BS EN 1186-2 and BS EN 1186-3 for materials and articles in contact with foodstuff
- Independently tested in accordance with BS EN ISO 4892-2:2014 for UV resistance.
- Contains 40% recycled polymer and is 100% recyclable.
- Suitable for controlled environments with temperatures between -100 °C to 80 °C
- Independently tested for mechanical performance upon impact
- High resistance against acids, alkali and solvents
- 25-year Warranty provided by Kingspan



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# Kingspan SafeDefence Barrier Protection Systems

## The range includes:

- **KSPPost** for the protection of walls, doors and corners.
- **KPSBarrierRail** for the protection of people in areas of forklift and other mobile machinery.
- **KPSBarrier-S**, **KPSDoubleBarrier-S** and **KPSBarrier-H** to protect walls, columns and other objects at varying heights.
- **KPSGoalpost-H** for door perimeter protection.

## Testing

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

## 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 typically contain 40% recycled material and have been designed to suit all industries.



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