

Insulated Panels
UK & Republic of Ireland

Protected by



Kingspan SafeDefence Protection Systems

SafeDefence Barrier Protection Systems



Kingspan SafeDefence Protection Systems

Kingspan SafeDefence Protection Systems consist of a high performance synthetic polymer technology designed to protect people, equipment and assets from impact.

The range includes:

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

FLEXsafe



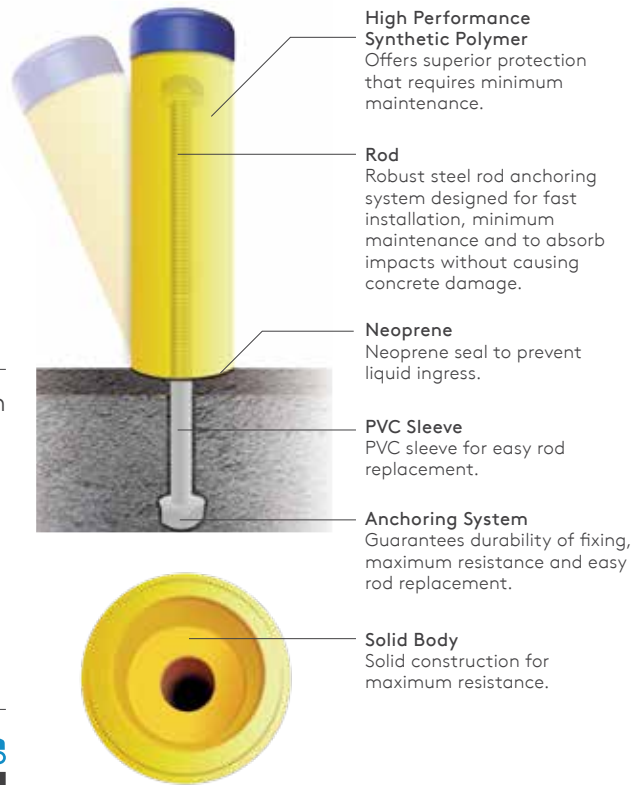
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SafeDefence Protection Systems KPSPost-S

Our KPSPosts provide 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 are 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



Dimensions (mm)			Drilling (mm)		
Diameter	Height	Ø Rod	Ø	Depth	
70	266	20	48	150	
100	430	30	68	150	
100	530	30	68	150	
100	1000	30	68	150	
120	430	30	68	150	
120	530	30	68	150	
120	800	30	68	150	
120	1000	30	68	150	
180	430	30	68	150	
180	800	30	68	150	
180	1000	30	68	150	



SafeDefence Protection Systems KPSPost-H

Featuring FLEXsafe Technology to safely absorb impacts, KPSPost-H is available in various heights and thicknesses.

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.

FLEXsafe

Technical Specification



Dimensions (mm)			Drilling (mm)	
Diameter	Height	Ø Rod	Ø	Depth
110	1000	30	68	150
110	1500	30	68	150
110	2000	30	68	150
110	2500	30	68	150
170	1000	30	68	150
170	1200	30	68	150
170	1500	30	68	150
170	2000	30	68	150
170	2500	30	68	150



SafeDefence Protection Systems KPSBarrier-S

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 door for loading / offloading purposes. Manufactured from high performance synthetic polymer technology. Its durable design provides excellent impact resistance and ensures maximum protection.

Technical Specification



Dimensions (mm)				Drilling (mm)		
Diameter	Length	Number of Bases	Height	Ø Rod	Ø	Depth
70	500	2	125	16	38	150
70	1000	2	125	16	38	150
70	1500	3	125	16	38	150
70	2000	3	125	16	38	150
100	500	2	155	20	48	150
100	1000	2	155	20	48	150
100	1500	3	155	20	48	150
100	2000	3	155	20	48	150
100	2500	4	155	20	48	150
120	500	2	175	20	48	150
120	1000	2	175	20	48	150
120	1500	3	175	20	48	150
120	2000	3	175	20	48	150
120	2500	4	175	20	48	150



SafeDefence Protection Systems KPSBarrier-D

Offering the same performance as our KPSBarrier-S but protecting from potential impacts at higher levels.

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



Dimensions (mm)				Drilling (mm)		
Diameter	Length	Number of Bases	Height	Ø Rod	Ø	Depth
70	500	2	230	20	48	150
70	1000	2	230	20	48	150
70	1500	3	230	20	48	150
70	2000	3	230	20	48	150
100	500	2	300	20	48	150
100	1000	2	300	20	48	150
100	1500	3	300	20	48	150
100	2000	3	300	20	48	150
120	500	2	340	20	48	150
120	1000	2	340	20	48	150
120	1500	3	340	20	48	150
120	2000	3	340	20	48	150



SafeDefence Protection Systems KPSBarrier-H

KPSBarrier-H features FLEXsafe – a superior high performance flexible synthetic polymer technology.

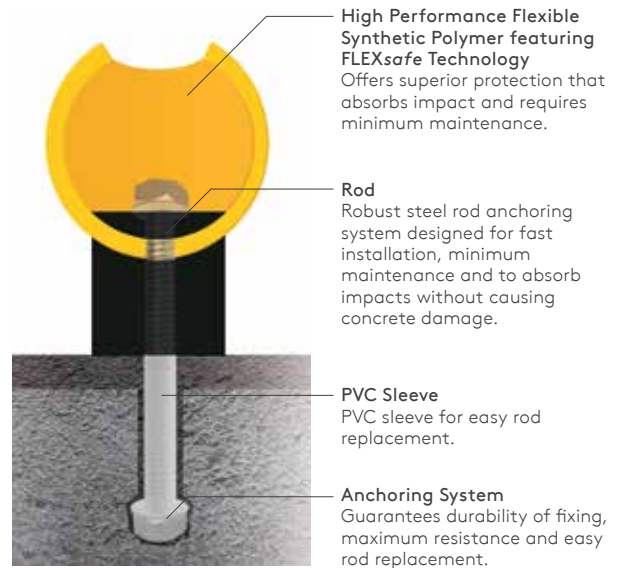
FLEXsafe Technology is specifically designed to safely absorb impacts by deflecting at the point of impact gradually bringing it to a stop.

FLEXsafe

Technical Specification



Diameter	Dimensions (mm)			Drilling (mm)		
	Length	Number of Bases	Height	Ø Rod	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



SafeDefence Protection Systems KPSGate

Designed to provide a safe entry / exit point for protected pedestrian walkways, KPSGate compliments KPSPost and can be mechanically fixed to vertical posts to provide a fully enclosed walkway.

KPSGate is designed and manufactured with pedestrian safety in mind while using the same high performance synthetic polymer technology as other protective systems.

Technical Specification

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



SafeDefence Protection Systems KPSRail-S

KPSRail-S is designed to provide superior protection in pedestrian and high traffic areas.

KPSRail-S are 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



Diameter Diameter	Dimensions (mm)			Drilling (mm)		
	Length	Number of Bases	Height	Ø Rod	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



SafeDefence Protection Systems KPSRail-B and KPSRail-H

KPSRail-B (Barrier Rail) has been designed for high traffic environments whereas KPSRail-H (Predestrian Rail) have been designed for low traffic pedestrian environments.

Both systems typically provide protection that are complimentary for internal pedestrian walkways to safely divide people from the dangers associated to internal traffic.

FLEXsafe

Technical Specification



Dimensions (mm)				Drilling (mm)		
Diameter	Length	Number of Bases	Height	Ø Rod	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



SafeDefence Protection Systems KPSGoalpost

KPSGoalpost is a proven door perimeter protection system that features FLEXsafe technology.

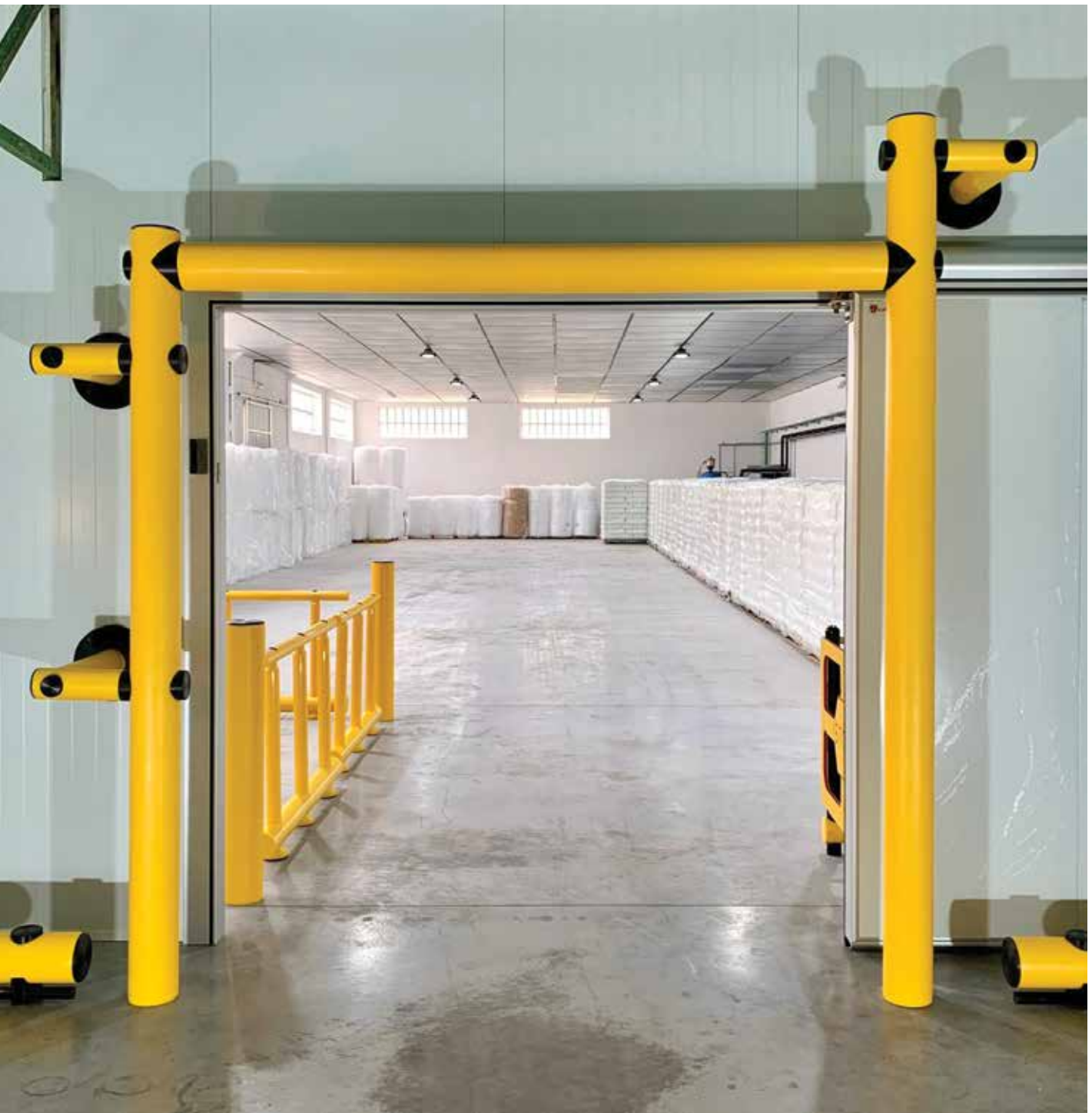
Its unique design, provides maximum protection for internal or external door systems. Designed to safely “flex” upon impact that ensures impact resistance, KPSGoalpost is tailored and manufactured to specific door sizes.

KPSGoalpost can be mechanically fixed to a range of substrates including insulated panel systems and concrete walls. Fixing methods, training and installation support is available from Kingspan free of charge.



FLEXsafe





Service and Support

Technical Support



From project conception to completion, our dedicated in-house teams are available to support all of your project needs.

Technical Services

Our technical services team provides the industry with bespoke project advice and assistance. This includes project design support, product recommendations, technical advice and assistance and layout / take-off support for all Kingspan SafeDefence protection systems.

The team also provides project support by generating and issuing specifications, product information, construction details, installation guides, BIM objects etc. These are all complimentary services.

Our technical services team in the UK and Ireland are specialists with vast experience in giving bespoke technical assistance and advice to architects, installers, contractors, insurers, building owners and the general construction industry.

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Field Services

Specialist installation training

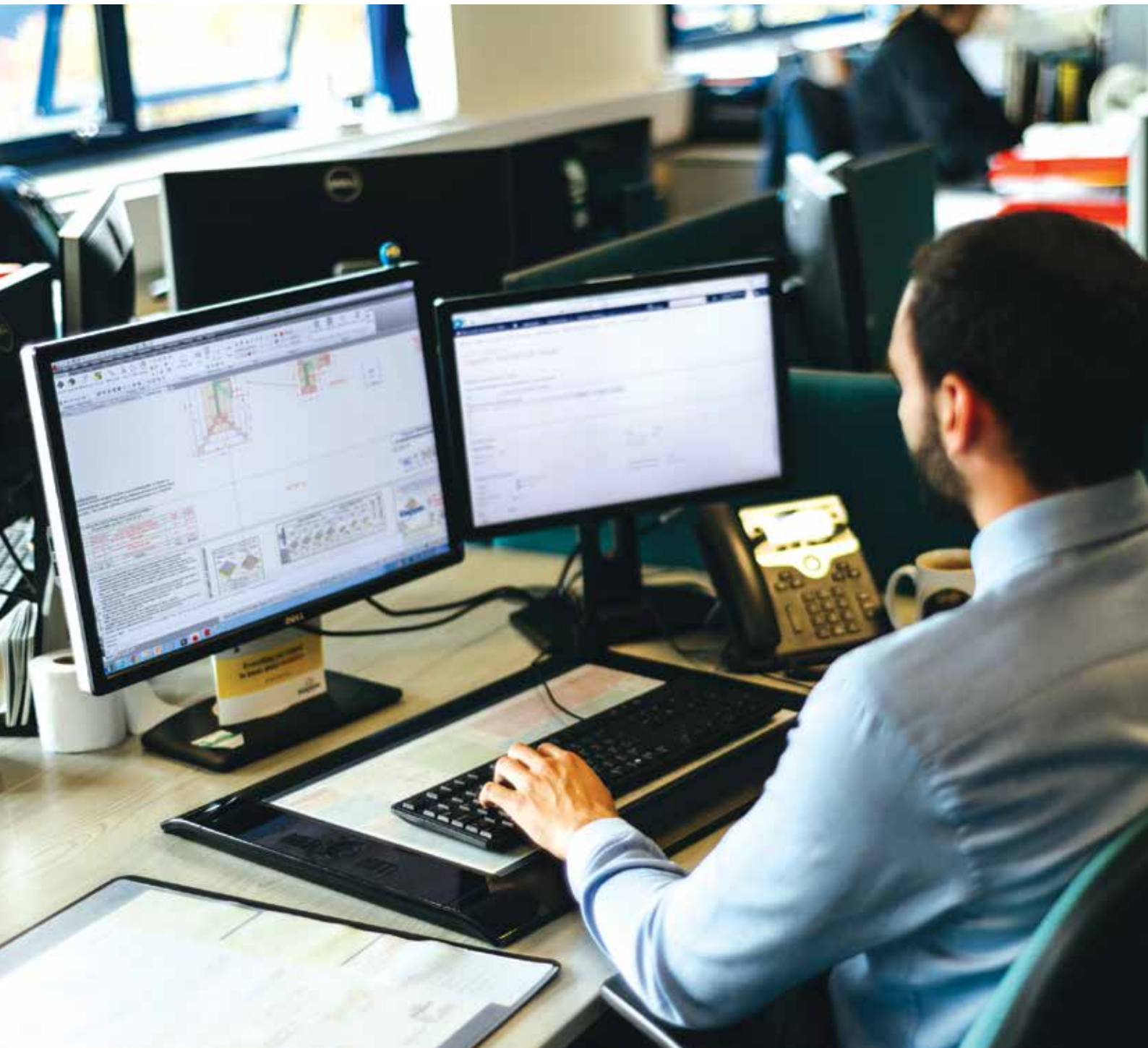
Our Field Services Team offer specialist installation training and demonstration of the products and systems we offer. This extensive training provides a basic level of competency in installation of our SafeDefence Protection Systems, covering the installation procedure, from safe unloading and handling, to installation and completion.

Samples

We offer a range of standard samples which include each of our core SafeDefence Protection products.

Customer Services

Our customer services team across the UK and Ireland are dedicated to providing care and attention to our customer needs. Various queries are quickly dealt with that range from order placement to scheduling to delivering to site.



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

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