Polybar P-Kerb – Technical Product Datasheet

Designed to protect equipment & buildings safely by absorbing the force impact caused by vehicles. Its revolutionary polymer technology coupled with its unique single anchoring system provides a flush-to-floor high performance impact protection system

Product Description

The P-Kerb is designed to protect equipment & buildings safely by absorbing the force impact caused by vehicles. Its revolutionary polymer technology coupled with its unique single anchoring system provides a flush-to-floor high performance impact protection system

Product Dimensions

Dimensions (mm)					Drilling (mm)	
Width	Length	No. Bases	Height	Rod Ø	Drill Ø	Depth
80	500	2	150	16	38	150
80	1000	2	150	16	38	150
80	1500	3	150	16	38	150
80	2000	3	150	16	38	150

Features & Benefits

High Resistance to Impact

Hygenic & Easy to Clean

Suitable for Food Environments

Hidden Fixing / Zero Exposed Steel

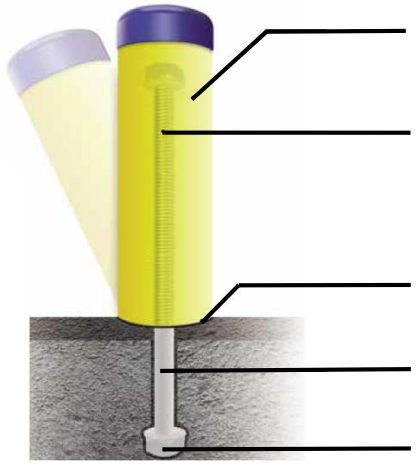
Minimum Maintenance

100% Recyclable

Quick Repair at Minimum Cost

Protected against UV Rays

Material Properties (demonstrated on P-Bollard)



High Performance Synthetic Polymer – Offers superior protection that requires minimum maintenance.

Threaded Rod- Robust steel rod anchoring system with superior 'pull-out' performance, designed for fast installation and to absorb impacts while minimising concrete damage.

Neoprene Seal – Designed to prevent liquid ingress and zero exposed steel.

PVC Sleeve – Eliminates grout contacting the threaded rod to enable easy rod replacement

Anchor nut - guarantees durability of fixing, offering maximum resistance and easy rod replacement.

Material Properties

Test	Results
Density (g/cm3) - ISO 1183	0.95
Yield Stress (N/mm2) - DIN EN ISO 527	28
Elongation Resistance (%) - DIN EN ISO 527	8
Elongation at Break (%)	300
Tensile E Modulus (MPa) - DIN EN ISO 527	850
Impact Strength (kJ/m2) - DIN EN ISO 179	Without break
Notched Impact Strength (kJ/m2) - DIN EN ISO 179	50
Ball Indentation Hardness (N/mm2) - DIN EN ISO 2039-1	45
Shore Hardness (N/mm2) - D ISO 868	66
Average Thermal Coefficient of Elongation (K-1) - DIN 53752	1'8 . 10-4
Thermal Conductivity (W/m.K) - DIN 52612	0.38
Dielectric Strength (kV/mm) - VDE 0303-21	44
Surface Resistance (Ohm) - DIN IEC 167	1014
Temperature Range (°C)	-100 to +80
Chemical Resistance (Acids, Alkalis and Solvents)	High
Physiologically Acceptable	Yes
Welding	Yes
Hot Forming	Possible

Testing

The P-Kerb protection system is a solid synthetic polymer kerb system that is flush with the ground, 150mm high and available in different lengths.

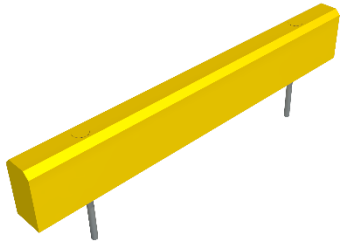
Easily installed using single fixing points, the P-Kerb is designed to provide optimum impact protection while also stopping the forks of forklifts from penetrating the protection system. It has a range of uses for both internal & external applications.

The P-Kerb can be tested on a project by project basis upon request to determine its impact resistance in Joules.

Colours

Yellow	RAL 1021
Black	RAL 9004

Other colours are available subject to minimum order size. Please contact Polybar for further information.



Shipping / Freight

Fully timber crated packs are available on projects requiring delivery by sea freight shipping. Offloading & installation (unless agreed otherwise) is the responsibility of the customer.

Polybar supplies internationally. Please contact Polybar for lead times to specific locations.

Installation

Although not the exact product, installation principles are as follows:

Drill concrete to a specified diameter using a diamond core drill.

Vacuum debris and dust to ensure a clean surface.

Mix & pour grout resin into hole.

Insert protection system, leave to set and tighten top bolt.

Fix cap.

Assembly complete.

Further Information:

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