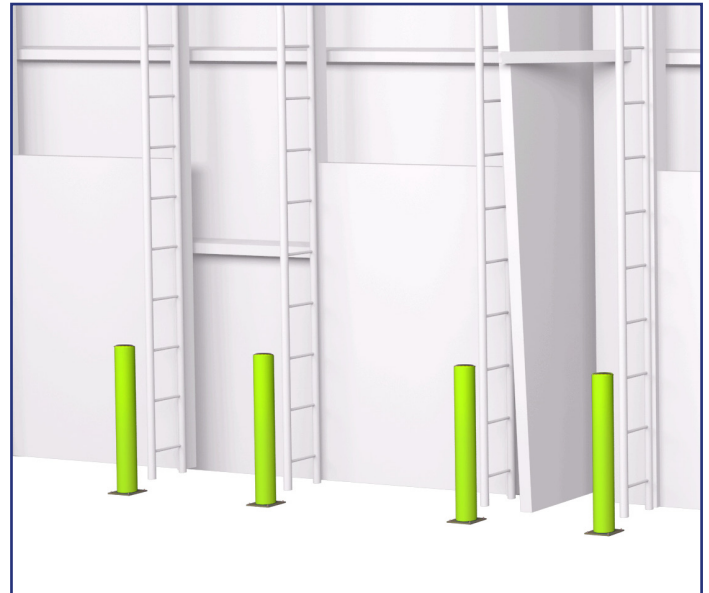
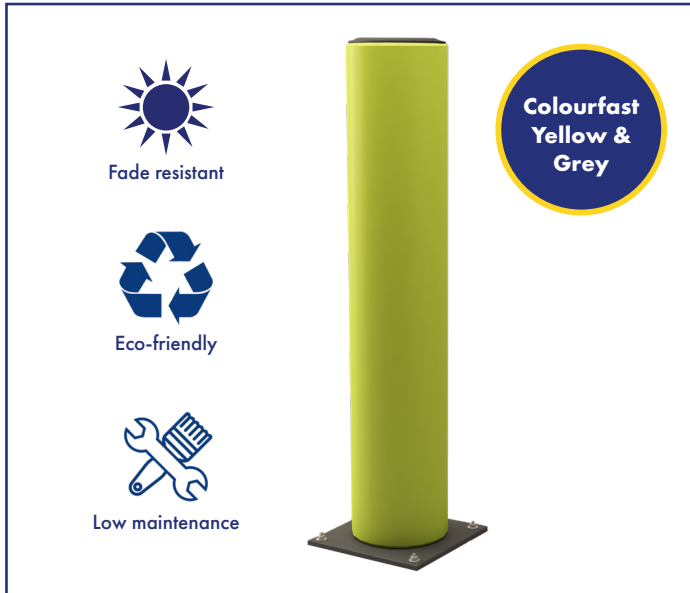




Protection Bollard

Adding strength and presence to corners and structures



Features and Benefits

- Lower repairs and maintenance cost compared to metal bollards
- Reduces vehicle impact damage and downtime
- PAS 13 compliant and TÜV Nord accredited
- Greater employee safety and driver protection

Description

Easy to install, these low maintenance polymer barriers, don't rust, corrode, fade or require re-painting, and only need replacing after frequent, major impact has occurred.

The flexible bollard design, absorbs the load of impact, away from a vehicle and ground fixings to reduce damage and repair time, unlike metal bollards.

Available in a range of striking, high visibility colours that are easily detectable, preventing damage and accidents before they happen.

Fully recyclable, non-toxic and suitable for use in food production and freezer environments.



Property	Specification
Height	600mm, 900mm or 1200mm
Width	240mm (footplate)
Temperature Range	-40°C to 50°C
Colour Options	Colourfast Yellow & Grey Hi-Vis Yellow & Blue Safety Yellow & Grey
Tested Impact Energy (J)	6,000
Deflection (mm)	272

RESETTING THE BAR ON IMPACT SAFETY

WHAT DID WE DO?

We have tested our range of polymer safety barriers and bollards to PAS 13. This testing has been independently certified by TÜV Nord.

WHAT IS PAS 13?

PAS 13 is a code of practice to help advise on the types of barriers that are suitable for use within the workplace to segregate vehicles and pedestrians. It also includes guidance on how to test barriers to demonstrate their safety and suitability for the specified application.

WHAT DID THE TESTING INVOLVE?

Hitting the centre of the bollards twice with a weighted pendulum to test **a)** whether the bollard stops the impact without breaking, **b)** how much the bollard deflects in order to calculate a 'safe zone' behind the bollard for installation purposes, and **c)** how much impact force the bollards, and the specified fasteners when installed in concrete, can take in order to determine which bollard is best suited for the types of MHE operating in the surrounding area.



PAS 13 TESTED AND TÜV NORD ACCREDITED RESULTS

	BRANDSAFE® IMPACT PROTECTION PRODUCT	ENERGY AT 90° (KJ)	ENERGY AT 45° (KJ)	EQUIVALENT MPH SPEED OF A FORKLIFT (3500KG)
1	LOW LEVEL DOUBLE BUMPER	14.2 KJ	28.4 KJ	6.4 MPH
2	PEDESTRIAN DOUBLE BUMPER	14.2 KJ	28.4 KJ	6.4 MPH
3	LOW LEVEL SINGLE BUMPER	11 KJ	22 KJ	5.7 MPH
4	PEDESTRIAN SINGLE BUMPER	11 KJ	22 KJ	5.7 MPH
5	POLYMER PROTECTION BOLLARD	6 KJ	N/A	4 MPH
6	DOUBLE END OF AISLE BARRIER	6.2 KJ	12.4 KJ	4.2 MPH
7	ALL BARRIER END POSTS	4.6 KJ	N/A	3.7 MPH
8	SINGLE END OF AISLE BARRIER	4.6 KJ	9.2 KJ	3.7 MPH
9	ALL END OF AISLE END POSTS	4 KJ	N/A	3.4 MPH
10	IMPACTSAFE BOLLARD	6.1 KJ	N/A	4.2 MPH

DATE TESTED W/C - 17/04/23

Brandsafe® Polymer Protection Bollards have been tested to meet and exceed the global PAS 13 standard, as independently certified by TÜV Nord.

