## **Specialist Geomembrane Contractor**

## **Ground Gas Venting** 110mm/ 150mm Bespoke Venting Bollards



Typical Gas Venting Bollard Detail

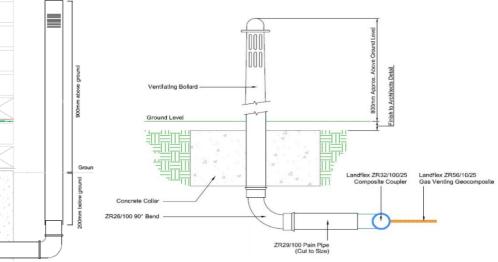


Available Gas Venting **Bollard Varieties** 

Butek Landline designs, manufactures and stocks its own ZR range of methane gas venting components suitable for all internal and external venting requirements. Items include venting geocomposite; vent boxes and lids; radon sumps; gas venting stacks and bollards; aspirating cowls and attachments; periscopic airbrick vents; slotted and standard pipework; geocomposite coupler tees; cross vent connectors; bends, tees and couplers; high strength invert adjustable bollards; stainless steel covers, frames and attachments. All items are designed to be compatible and to work together to form a complete gas venting solution. Components are available ex-stock and may be supplied singly or as a package to contractors wishing to install the system themselves.

Designed to provide effective air flow, allowing for adequate venting of sub-floor voids as part of Butek landline's Ground Gas Protection System.

Our bollards are manufactured in the UK and are designed to look exactly like standard bollards, the building surroundings and enhancing performing a multi-function as required.



Indicative Gas Venting Bollard Layout Diagrams



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**Containment Solutions** 

## **Specialist Geomembrane Contractor**

Property	Unit	Value
Height (Total)	mm	1100
Height (External ground finish)	mm	800-900
Diameter	mm	110
Slot orientation		
Powder Coated/ Stainless Steel (304 grade)		Horizontal
(UV stabilised) PVC		Vertical
Air flow		
Powder Coated/ Stainless Steel (304 and 316 grade)	mm <sup>2</sup>	25,000
(UV stabilised) PVC	mm <sup>2</sup>	25,000

Gas Venting Bollard Property Table

## **Ground Gas Venting** 110mm/ 150mm Bespoke Venting Stacks



150mm Gas Vent Stack with Mushroom Cowl on Top



Mushroom Cowl Gas Vent Cap



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Please contact our technical sales team for further details.



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