

KEYTEC POLYSTORM

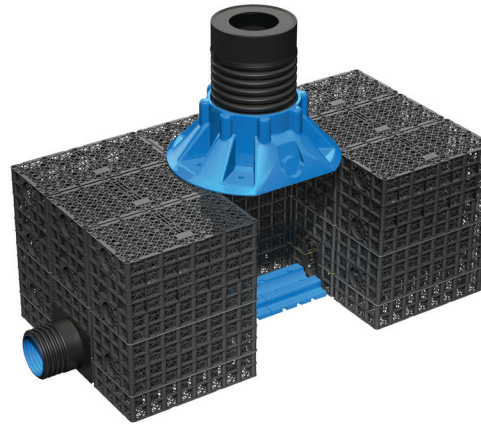
Access/Inspect

POLYSTORM ACCESS - COMPOSITION

Polystorm Access provides a 1m x 0.5m shaft within a Polystorm geocellular structure to enable surface access for remote camera inspection and maintenance activities such as flushing and rodding.

FEATURES

- 1m x 0.5m inspection chamber within Polystorm structure
- 500mm riser shaft from surface to top of Polystorm structure
- Riser shaft may be extended as required using 500mm Ridgidrain pipe and seals
- Reduced Access Shaft Cap (350mm) available where required by regulations
- Utilises existing Polystorm clips and shear connections
- Base unit manufactured from recyclable Polyethylene
- Choice of standard shaft lengths



POLYSTORM INSPECT - TECHNICAL SPECIFICATION

UNIT TYPE

Product Code	PSM4
Length	1m
Width	0.5m
Depth	0.4m
Total Volume	0.2m ³
Unit Weight	11.6kg*
Cube Storage Volume	0.188m ³ (188 litres)
Volumetric void ratio	94%
Vertical Compressive Strength at yield	Minimum 440kN/m ²
Lateral Compressive Strength at yield	Minimum 63kN/m ²
Short-term Vertical Deflection	Minimum 70.1kN/m ² per mm
Estimated Long Term Vertical Deflection (creep)	0.6113Ln (design life in hrs)

RECOMMENDED MAXIMUM DEPTH OF INSTALLATION (TO CELL INVERT) (M) OF POLYSTORM INSPECT

TYPICAL SOIL TYPE	TYPICAL ANGLE OF SHEAR RESISTANCE	WITHOUT GROUNDWATER (BELOW BASE OF CELLS) NORMAL CASE		WITH GROUNDWATER AT 1M BELOW GROUND LEVEL AND UNITS WRAPPED IN GEOMEMBRANE	
		Pedestrian	Trafficked (cars)	Pedestrian	Trafficked (cars)
Stiff over consolidated clay e.g London Clay	24	2.3	2.0	1.8	1.7
Normally consolidated silty sandy clay e.g Alluvium, Made Ground	26	2.4	2.2	1.9	1.7
Loose sand and gravel	30	2.8	2.6	2.0	1.8
Medium dense sand and gravel	33	3.2	2.9	2.1	1.9
Dense sand and gravel	38	3.9	3.6	2.2	2.1

