

Product

DETAILS

Powerslot HS[®] is a high strength slotted pipe system that can be utilised in applications that benefit from minimal cover depths, such as permeable driveways.

Typically, in areas trafficked by domestic vehicles, Powerslot HS[®] requires only 350mm of cover.



The

BENEFITS

Using Powerslot HS[®] can provide the following benefits:

- Less excavation, arisings and imported aggregates
- Simplified lining of formation
- Full maintenance access
- Shallower ongoing pipe network leads to cost savings and potential H & S benefits
- Can assist where ground conditions are poor (e.g. high water tables, contamination, shallow rock layers)
- HS[®] pipe system holds WRc approval
- Pipework and fittings compatible with BS EN-1401
- Nominal pipe sizes from DN/OD 110 to DN/OD 500
- High pressure jetting resistant
- Excellent hydraulic characteristics

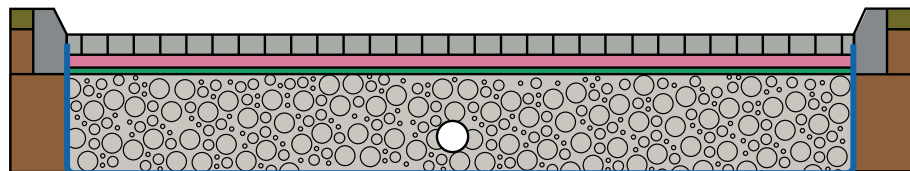
Powerslot HS[®] Minimum Cover Requirements (H)

- Car parks/domestic driveways - H=350mm
 - Occasional and Full HGV Access - H=500mm*
- *Static calculation strongly recommended for full HGV access (ask SWM for details).*

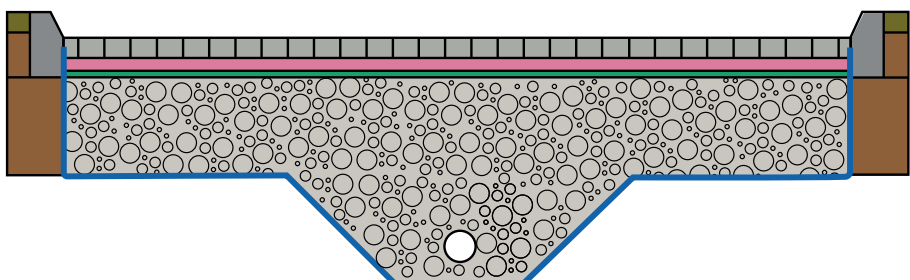
Powerslot HS[®] Aggregate Specification

- Type 3 reduced fines aggregate with 30% void ratio, maximum 40mm grading size (depth varies subject to design requirements)

COST SAVING METHOD PERMEABLE DRIVEWAY OR CARPARK POWERSLOT HS[®]



TRADITIONAL METHOD PERMEABLE DRIVEWAY OR CARPARK BS EN 1401 PIPE



The RANGE

A full range of fittings is available, including couplings, bends, junctions and level invert reducers. To assist with combatting joint stresses, fittings are manufactured to SDR34.

For long-term maintenance, the incorporation of Powerslot Catchpits allows for full rodding and jetting access. Powerslot Catchpits can also be fitted with reduced end caps to provide flow control if required.

The easily applied Powersleeve geotextile provides protection from slot blockages caused by silt.

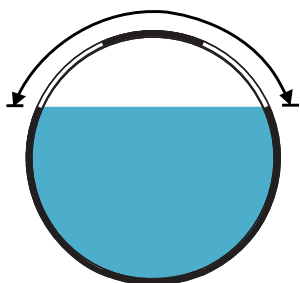


Powerslot HS can be supplied with slot widths of 2.5mm or 5mm.

Pipework can be slotted in three configurations:

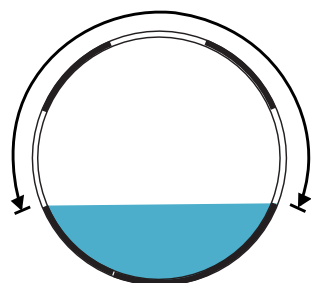
- Dual-purpose – slots 120°
- Partly-drained – slots 220°
- Fully-drained – slots 360°

Dual-Purpose



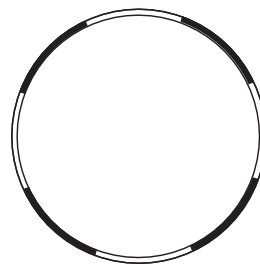
$a=120^{\circ}$

Partly-Drained



$a=220^{\circ}$

Fully-Drained



$a=360^{\circ}$

For further information on Powerslot HS® please contact the team on
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