

Kaypipe® Geopipe Model Specification

Materials:

Drainage pipe must be installed per the manufacturer's instructions and shall meet the following requirements: -

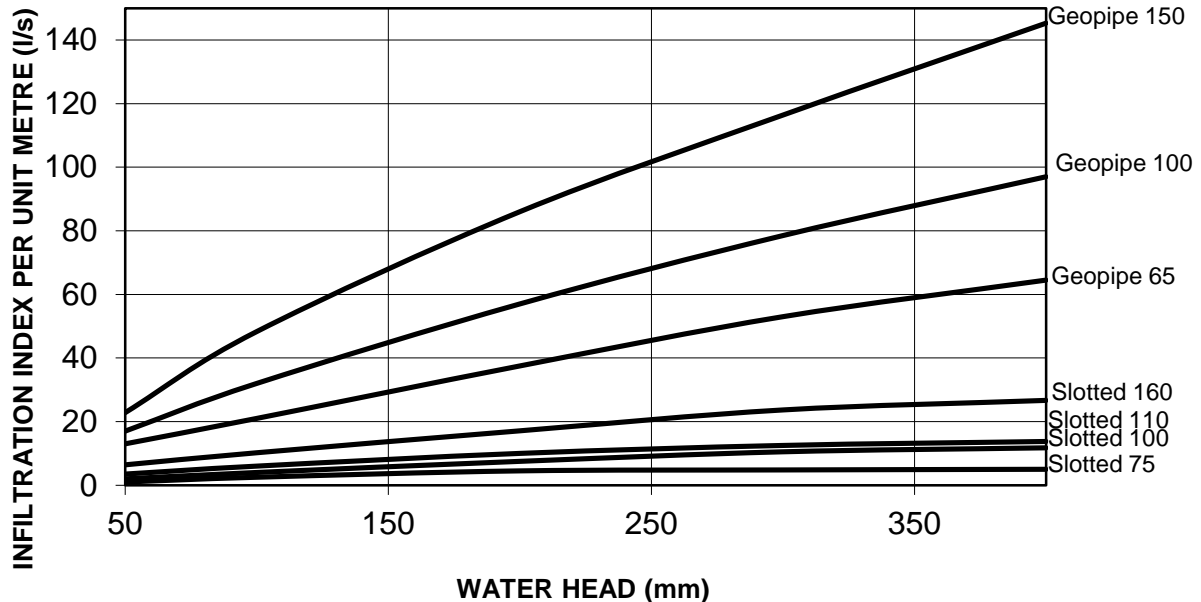
Pipes for subsoil drainage shall have an internal diameter of [65/100/150] mm (specify diameter). The pipe shall be manufactured from High Density Polyethylene (HDPE) with a solid 5.0mm wall thickness. It shall be extruded into an open lattice wall structure, with 70% of the diameter consisting of open area and a 30% solid area along the invert. Perforations in the open structure of the pipe shall be greater than 3 mm but less than 12mm*.

Infiltration:

The water infiltration capacity of the pipe under a 200mm static head shall not be less than specified: -

- For 65 mm I.D. pipe = 30 litres per metre per second
- For 100 mm I.D. pipe = 50 litres per metre per second
- For 150 mm I.D. pipe = 80 litres per metre per second

INFILTRATION INDEX OF DRAINAGE PIPES



**To minimise the risk of mineral and / or biochemical clogging of the pervious infiltration zone, the drainage voids in the open structure of the pipe shall have no dimension consistently smaller than 3 mm, and to minimise the risk of small aggregate entering the pipe, no dimension consistently larger than 12 mm.*

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