

ProPipe FLEXIBLE DRAINAGE PIPE

DESCRIPTION

ProPipe is a sub surface corrugated drainage pipe manufactured to Australian Standard AS 2439 – 2007 Part 1.

ProPipe is utilised for sub surface drainage of domestic to agricultural projects as well as construction and road projects. The light weight corrugated pipe has regularly punched slotted openings along its entire length to allow efficient drainage. ProPipe is durable and easy to use.

ProPipe installation is dependent on the size and type of project but generally includes the following steps:-

1. Prepare a trench 200mm wider than the ProPipe diameter to be installed.
2. Line the trench with a suitable geotextile filter such as ProFab AS140 grade.
3. Select a suitable clean drainage aggregate to act as a filter and bedding and place into the base of the trench approximately 50mm deep.
4. Place the ProPipe in the trench and backfill with the selected drainage aggregate.
5. Wrap the geotextile filter over the drainage aggregate and backfill to the surface with a light soil cover to a recommended 150mm minimum coverage.
6. If the drainage aggregate or backfill material contains very fine particles, a filtersock can also be included around the ProPipe to further ensure fine material does not enter the pipe. ProPipe is available with RTA grade filtersock for critical road projects and a standard grade filtersock for general applications.

APPLICATIONS

- Road edge drainage
- Retaining wall or collector pipe drainage
- Underground soak well distribution
- Sports field and recreational park drainage
- Residential yard drainage

TYPICAL PROPERTIES

DIAMETER	CLASS	MATERIAL	FLOW & VELOCITY @ GRADIENT		COIL LENGTHS
			$i = 0.01$	$i = 0.001$	
65mm	400	HDPE	3.3m ³ /hr @ 0.4m/s	& 1.0m ³ /hr @ 0.1m/s	20m, 200m
100mm	400	HDPE	11.1m ³ /hr @ 0.5m/s	& 3.4m ³ /hr @ 0.2m/s	20m, 100m
100mm	1000	PVC	11.1m ³ /hr @ 0.5m/s	& 3.4m ³ /hr @ 0.2m/s	20m, 100m
165mm	200/400/1000	HDPE/PVC	40.5m ³ /hr @ 0.8m/s	& 12.5m ³ /hr @ 0.2m/s	20m, 60m

All available with standard sock, RTA sock or unsocketed configuration and are always slotted unless requested unsocketed/unslotted. Other pipe diameters, coil lengths and strength class are available upon request.

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