



# Agflo®

## Flexible Sub-Soil Corrugated Drainage Pipes

Agflo® is a corrugated subsoil pipe available in Class 400 & Class 1000 grades. Both types are available in plain, slotted & socked. Various diameters available include 50mm, 65mm, 100mm & 160mm.

Agflo® offers a superb range of flexible sub-soil corrugated drainage pipes available for various subsoil applications.

Agflo® delivers the highest standard of durability and strength in drainage for civil applications such as internal road structures and in-land areas such as gardens, parks or sporting fields.

Agflo® can also be used to overcome or mitigate such problems as salinity, high rainfall, high water tables and hillside soak.

### FEATURES & BENEFITS

Agflo® sub-soil corrugated drainage pipes are available in two classes, 400 & 1000 and the benefits include flexibility of pipes designed for quick installation time for both heavy loading and medium loading conditions.

#### CLASS 400 PIPES

Agflo® Class 400 single wall HDPE subsoil drainage pipe is manufactured in accordance with AS2439.1 and used in medium loadbearing subsoil applications.

Agflo® Class 400 is a very flexible and durable pipe designed for medium loading conditions. It is supplied in either 10, 20, 50 or 100m lengths.

#### CLASS 1000 PIPES

Agflo® Class 1000 single wall PVC subsoil drainage pipe is manufactured in accordance with AS2439.1 and is used in higher load bearing subsoil applications.

Agflo® Class 1000 is designed for heavy loading and usage. It is supplied in 100m lengths, reducing loading costs, and speed of installation.

### APPLICATIONS

**Subsoil Drainage:** Agflo® subsoil drainage pipes when used to remove water for saturated soils behind retaining walls, road pavements and various civil and building structures create efficient system that removes water, maintaining the service life of all roads and highways.

**Gas Venting:** Made from a chemical-resistant HDPE Agflo® provides a seamless conduit for gas extraction for modern landfills and waste containment structures. Agflo® also ensures the prevention of environmental contamination and works for extracting gas in the drainage layer of the capping system.

**Cable Conduits:** Agflo® Cable Conduits are used to repair cable ducts with no need for excavation of the buried cables that rung alongside roads or highways. This works by allowing easy access to the cable routing and is simply threaded through the conduits.



Consult Polyfabrics Australasia or a certified Engineer for site specific installation instructions. Polyfabrics Australasia reserves the right to change its product specification at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance.

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### SPECIFICATIONS

Specifications	Test Method	Units	Class 400	Class 1000
<b>Pipe Properties</b>				
Material	-	-	HDPE	PVC
Diameter - inside	AS2439.1	mm	83 < Ø < 87	83 < Ø < 87
Diameter - outside	AS2439.1	mm	99 < Ø < 102	99 < Ø < 102
Pipe stiffness deflection @ 5%	AS2439.1	kN/m/m	>400	>1000
Pipe stiffness deflection @ 10%	AS2439.1	kN/m/m	>300	>800
Perforation length	-	mm	7.0 - 8.0	7.0 - 8.0
Perforation width	-	mm	1.2 - 1.4	1.0 - 1.5
Coil lengths	-	m	10 / 20 / 50 / 100	100
<b>Knitted Sock Properties</b>				
Laddering/Unravelling/De-weave	-	mm	<5	<5
Weave stability	-	mm	<5	<5
Opening index	-	-	>136	>136
Pore size $O_{95}$	AS3706.7	µm	200 < O95 < 500	

\* Both Class 400 & Class 1000 are available in plain piping, slotted piping, and socked piping. The corrugated perforated PVC drainage pipe conforms to Type 1, Class 1000, as specified in AS2439.1 and RMS QA specification 3552.

The knitted sock complies with RMS QA specification 3553, Seamless Tubular Filter Fabric. Associated accessories for example Joiners and end caps are available upon request

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