Sewer Pipes

Rocla® Sewer Pipes

Rocla® steel-reinforced concrete sewer pipes are suitable for a wide range of effluents, from non-aggressive to very highly aggressive, allowing designers to choose the most economical pipeline system to suit the sewage flow.

Rocla produces a Sewer Pipe Manual to assist designers in determining the aggressivity of sewage flow and the type of Rocla® sewer pipe best suited to the application.

All Rocla® sewer pipes are produced from hard, dense, impermeable concrete and supplied with a flexible rubber ring joint. Standard pipes will accept hydrostatic test heads of 90 kPa but higher heads are available on request.

Specifying Rocla® Sewer Pipe

The following information is required when specifying a Rocla® sewer pipe for a particular project:

- Nominal pipe diameter
- Class of pipe (reference AS4058)
- Hydrostatic test pressure, if greater than 90 kPa
- Type of pipe required, i.e. SA, SASL, CA, CASL or Composite
- Sacrificial layer depth (if required for type SASL or CASL)
- Special requirements

Contact Rocla for further information

Rocla® sewer pipe range

Type SA	Slightly aggressive conditions (siliceous aggregates with 25mm internal cover).
Type SASL	Mildly aggressive conditions (type SA with an additional sacrificial layer).
Type CA	Medium aggressive conditions (calcareous aggregate with 25mm cover).
Type CASL	Highly aggressive conditions (type CA with an additional sacrificial layer).
Composite pipe	Very highly aggressive conditions (composite layer pipe or PVC lined pipe).

Standard Dimension for types SA and CA sewer pipe

Nominal Diameter (mm)	Pipe Outside Diameter (mm)	Internal Diameter (mm) of Pipe		
		Class 2	Class 3	Class4
450	533	439	425	415
525	616	508	502	496
600	699	585	571	565
675	787	667	653	641
750	870	742	724	704
825	946	806	796	786
900	1043	903	883	873
1050	1194	1044	1024	1004
1200	1365	1195	1175	1155
1350	1524	1344	1314	1294
1500	1689	1499	1469	1439
1650	1854	1644	1614	1584
1800	2019	1799	1769	1739

Internal diameters are for SA and CA pipes with 25mm internal cover only. All dimensions are nominal. Actual internal diameters may be less than nominal diameters because of sacrificial layers on inside surface.

For pipeline sections that are clearly non-aggressive, such as those that always run full, standard RRJ pipes (siliceous aggregate with 10mm to 20mm internal cover) are acceptable and provide larger internal diameters.

Rubber Ring Joint Sewer Pipe