

Plastream® SRP

Slotted Pipe



Plastream® slotted pipe is manufactured from steel-reinforced polyethylene (SRP), providing a rigid, robust, lightweight pipe with high durability and load bearing capacity.

The slots, which are formed during the pipe manufacturing process, are configured to provide more efficient flow transfer rates and lower maintenance requirements.

A wide range of sizes and configurations is available to accommodate almost all site constraints, including trafficable areas. Standard sizes are 225mm to 900mm diameter, with larger sizes up to 1500mm available on request.

Plastream® slotted pipes are ideal for a variety of applications, including infiltration, exfiltration and on-site detention, in projects such as:

- **Water-sensitive urban designs such as bio swales, bio retention systems, etc.**
- **Drainage of water from behind large retaining walls.**
- **Sporting arenas where special turf requires rapid drainage and high volumes of watering.**
- **Collection of leachate in landfill tips or contaminated areas.**
- **Maintenance of ground water levels.**
- **Stormwater collection and/or detention in built-up areas.**
- **Trafficable areas**



WATER QUALITY



Plastream® SRP Slotted Pipe

Plastream® slotted pipes are designed in accordance with AS2566: Part 1 - Buried Flexible Pipelines – Structural Design, and installed in accordance with AS2566: Part 2 – Installation of Buried Flexible Pipelines.

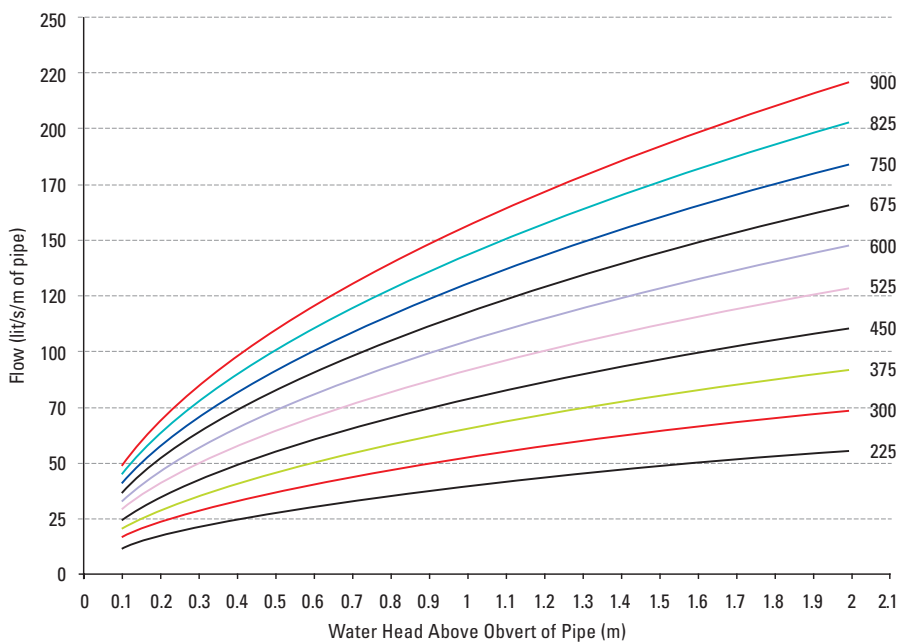
Even distribution of the rectangular slots around the pipe allows rapid and uniform flow of water, reducing the possibility of differential movement of the surrounding soil from uneven moisture content.

The equally-spaced rectangular slots provide a total perforated area of 2.1% which is well above the minimum requirements of AS2439.1.

The ribbed configuration combined with small perforations prevents large soil particles from entering the pipeline, greatly reducing the accumulation of silt in the pipe and lowering maintenance requirements. In sandy or fine soil conditions, geotextile fabric may be required to improve the filtration of fines.

Estimated Inflow Capacity of Plastream® Slotted Pipe

Standard Pipe Diameters 225 to 900mm



For more information on Plastream® slotted pipe and other transfer, storage, treatment and reuse products from Rocla Water Quality

Call Rocla on
131 004

E-mail your inquiry
solutions@rocla.com.au

Or visit our website
www.rocla.com.au



Standard Pipe Diameters: 225mm to 900mm

Percentage of Open Area: 2.0% (all sizes)

Percentage of Plan Area: 3.9% (all sizes)
(Plan Area = half of circumference x 1m)

Included angle of perforated arch: 360 degrees (i.e. full circle)



Quality
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