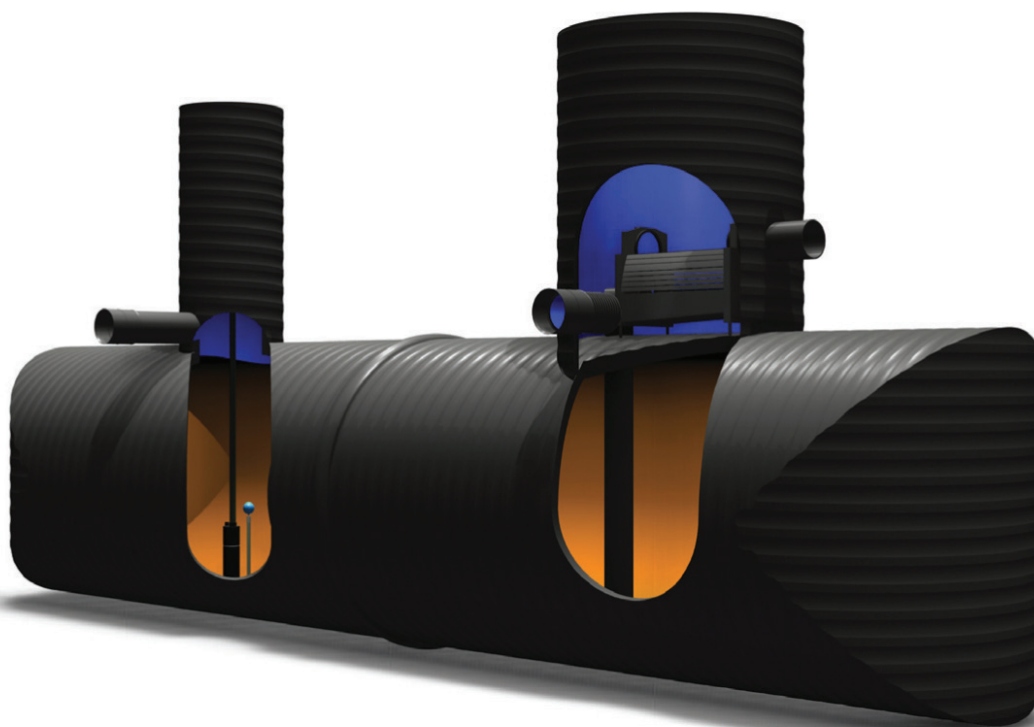


## Rainstream RXL – Engineered high volume water storage solutions

High volume rainwater storage tanks offer specifiers, engineers and contractors enormous flexibility in the planning and provision of water storage for large-scale projects. The bigger they are, however, the larger the challenges they present in transport and installation.

Rainstream RXL offers all the functionality of large-scale, GRP sub surface tanking while minimising the cost and complications associated with conventional GRP solutions. A bespoke, fully engineered product, it is based on the same proven technology as our Ridgistor-XL large diameter pipe range.



### The latest in storage tank technology

Rainstream RXL has been designed and developed to help overcome those challenges - most importantly, by allowing for bespoke assembly on-site using Polypipe's unique Electro-Fusion jointing technology and by doing away with the need for a concrete surround. The result is a tank of exceptional stiffness and integrity that can be transported quickly and easily in modular units, assembled on-site and installed more easily than conventional GRP tanks. In addition Rainstream RXL tanks do not need to be filled with water during installation, unlike GRP tanks. This is a significant benefit saving tens of thousands of litres of water.




# TERRAIN

## Technical Bulletin 6

### Biomaster® Anti-microbial Technology

Rainstream RXL incorporates an anti-microbial lining that resists the development of bacterial colonies on the tank wall. This helps reduce the risk of contamination from micro-organisms and helps to maintain water quality.

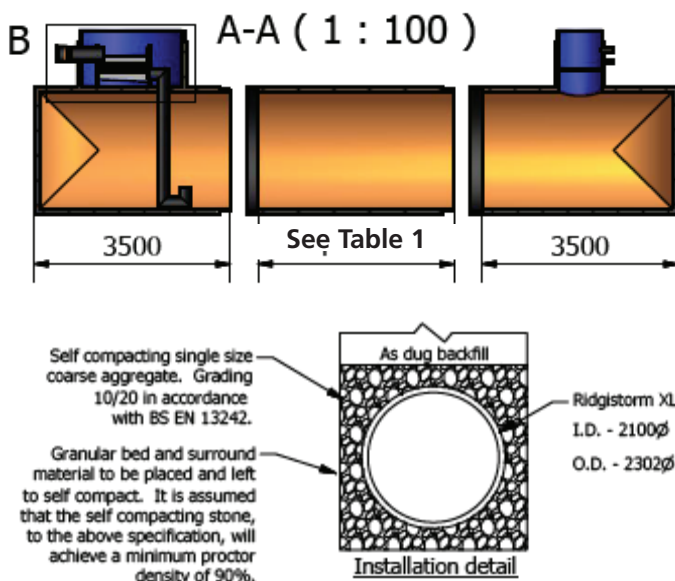


-  Biomaster binds to the cell wall; preventing growth
-  The Biomaster ions interrupt enzyme production; stopping the cell producing energy
-  Biomaster interrupts the cells DNA; preventing replication

### The Easy Installation Tank

Because it has exceptional stiffness and rigidity 'engineered in', Rainstream RXL can, in most cases, be installed with a single sized granular backfill instead of a more costly concrete support structure. And because our in-house manufacturing facility allows for tank wall strengths to suit specific project requirements, Rainstream RXL can be manufactured for any burial depth without costly over engineering.

Rainstream RXL tanks are manufactured as modular units designed for ease of transportation and to overcome restrictions by eliminating the need for special equipment. This allows for most tanks to be manufactured, typically from 20m<sup>3</sup> upwards and through unrivalled features, offers the best possible solution for high volume rainwater storage.



**Table 1**

Tank size (m <sup>3</sup> )	Length of pipe (m)	Total length of tank (m)
20	0	7
25	1.5	8.5
30	3	10
35	4.5	11.5
40	6	13
45	7.5	14.5
50	9	16
55	10.5	17.5
60	12	19
65	13.5	20.5
70	15	22
75	16.5	23.5
80	18	25
85	19.5	26.5
90	21	28
95	22.5	29.5
100	24	31