



Strol

SureSoak Stormwater Modules

Data Sheet

015 025

Version 1

November 2024

SureSoak

Stormwater Modules

DESCRIPTION

Modular systems designed for in-ground water storage and or water detention for peak flow events. SureSoak system can be designed to conform to most shapes and sizes to suit site conditions, and are simply stacked into a matrix of modules to create the desired storage volume.

APPLICATION

Application includes in-ground water storage and water flow detention.

Typical Properties

| MODULE (units) | WIDTH (mm) | LENGTH (mm) | HEIGHT (mm) | TYPICAL MODULE VOLUME (Litres) | TYPICAL WATER STORAGE VOLUME (Litres) |
|---|------------|---|-------------|--------------------------------|---------------------------------------|
| Single (1) | 400 | 715 | 440 | 125.77 | 119.47 |
| Double (2) | 400 | 715 | 860 | 245.94 | 233.64 |
| Triple (3) | 400 | 715 | 1280 | 366.08 | 347.77 |
| Quad (4) | 400 | 715 | 1700 | 486.29 | 461.97 |
| Pent (5) | 400 | 715 | 2120 | 606.32 | 576 |
| INTERNAL VOID RATIO | | 95% void | | | |
| MATERIAL | | 85% Recycled Polypropylene + 15% Proprietary Mix | | | |
| BIOLOGICAL & CHEMICAL RESISTANCE | | Unaffected by moulds and algae, soil borne chemicals, bacteria and bitumen. | | | |
| SERVICE TEMPERATURE | | -10°C to 75°C | | | |
| FLOW RATE | | 0.040 m3/sec | | | |
| Ultimate Load / Unconfined Crush Testing: (Results for units with 4 large & 5 small plate tanks) | | Crush Load - 5 Plate Module : 26.16 t/m2 | | | |

- SureSoak System is a design registered or design registered pending system of RainSmart Pty Ltd.
- Crush load figures are typical figures taken from full scale testing at the materials testing laboratory of the University of Technology, Sydney. As with any polymer based system actual crush loads can vary slightly from batch to batch. Designers should apply an appropriate reduction factor to the ultimate load based on the application.

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