

PLUVIAL CUBE MODULE – DATA SHEET

| Pluvial Cube Module Dimensions* (mm) | Module Configuration | Units per m ³ | Module Volume (m ³) | Storage Volume (m ³) |
|--------------------------------------|----------------------|--------------------------|---------------------------------|----------------------------------|
| 500 (L) x 500 (W) x 550 (D) | Single | 7.27 | 0.1375 | 0.132 |
| 500 (L) x 500 (W) x 1075 (D) | Double | 3.72 | 0.2688 | 0.258 |
| 500 (L) x 500 (W) x 1600 (D) | Triple | 2.5 | 0.4 | 0.384 |

* Bespoke modules with different configuration available



Single Module



Double Module



Triple Module

| Product Data | Pluvial Cube Module |
|--|-----------------------|
| Application | Stormwater Management |
| Average Weight (kg) – single module | 7 |
| Compressive Strength* (kN/m ²) | 320 |
| Lateral Strength* (kN/m ²) | 200 |
| Long Term Creep Testing** (kN/m ²) | 200 |
| Void Ratio (%) | 96 |
| Surface Void Ratio (%) | Greater than 90 |
| Minimum Backfill Cover Landscaped areas# (mm) | 450 |
| Material | Polypropylene |
| Chemical resistance | Good |
| Bacterial Resistance | Good |
| UV Resistance | Good |

Note: Other Modules with Compressive Strength more than 1500 kN/m² available

* Modules tested using UKAS calibrated test machine, range 0 – 60 Tons, UDL, loading rate 0.2 kN/m²

** Modules tested for long term creep testing for 90, 180 and 208 days / 5000 hours = 50 years design life

Any cover less than 450 mm and for Min. backfill cover for trafficked areas – contact ESS design department

Maximum depth to invert based on soil type dense sand and gravel for different soil type–contact ESS design department

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