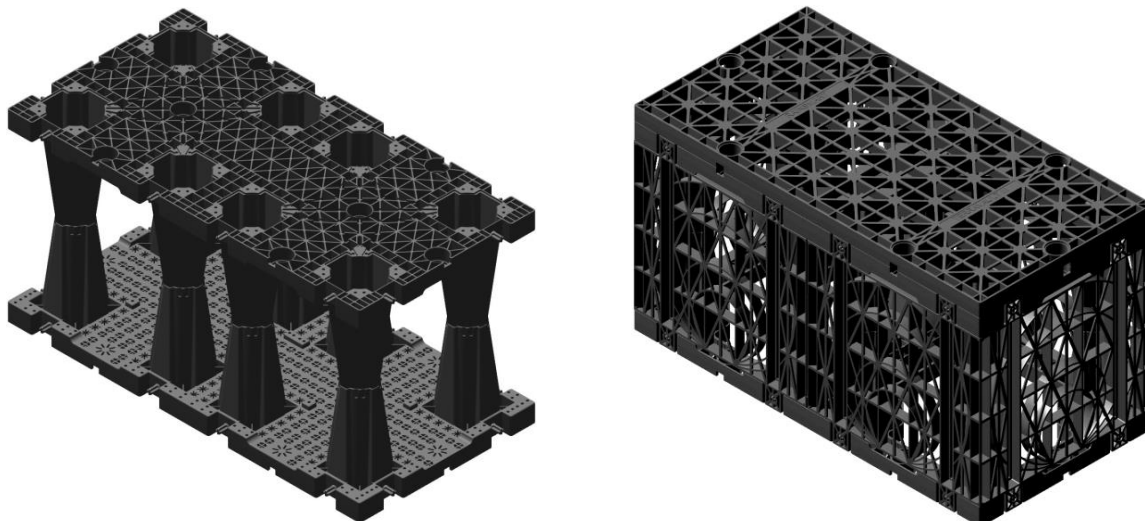


RAINSMART® STORMVAULT-R MODULE SPECIFICATION SHEET.



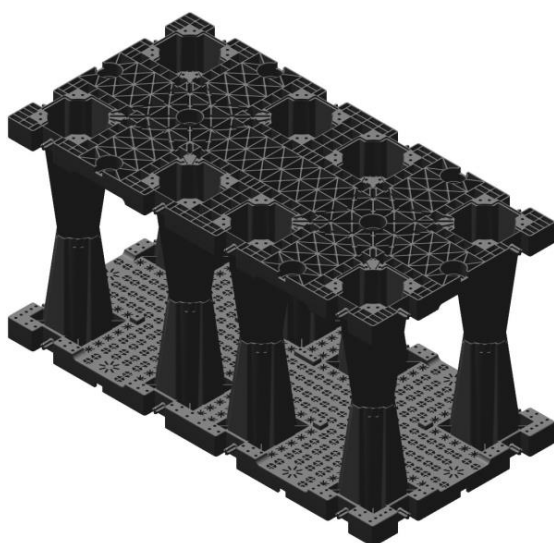
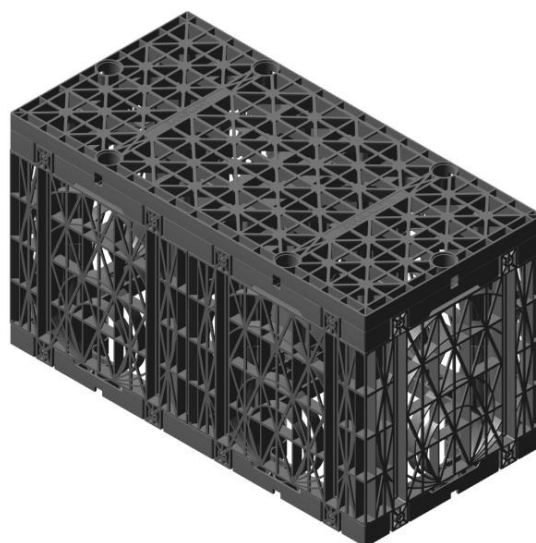
Stormvault Module Dimensions:

Module (Unit)	Width (mm)	Width (inches)	Length (mm)	Length (inches)	Height (mm)	Height (inches)
Single (1)	385	15.15	770	30.31	430	16.93
Double (2)	385	15.15	770	30.31	830	32.67
Triple (3)	385	15.15	770	30.31	1230	48.42

Stormvault Water Storage Volume:

Module (Unit)	Unit Volume (L)	Unit Volume (cf)	Volume (gal)	Water Storage Volume (l)	Water Storage Volume (cf)	Water Storage Volume (gal)
Single (1)	127.47	4.50	33.67	121.10	4.27	31.98
Double (2)	246.05	8.69	65.00	233.75	8.26	61.75
Triple (3)	364.60	12.87	96.31	346.37	12.22	91.50

**** Greater Depth units are also available.**



tem	Description	Value	Unit
Void Area	Area available for water storage vs. that made up of plastic	>95	%
Surface Void Area	Open area where water may percolate in or out of the units	>95	%
Service Temperature	Operating temperature where the units can be expected to perform adequately	07 to 60°C (-44 to 140°F)	°C (°F)
Material Content	85 % Prime Recycled Polypropylene + 15% proprietary mix Virgin in Nature	100%	%
Biological & Chemical Resistance	Unaffected by moulds, algae, Soil borne Chemical, bacteria and bitumen, polypropylene is very inert	**	**
Short Term Compressive Strength	Short Term Vertical Compressive Strength*	45.00 (64.00)	tons/sqm (PSI)
	Short Term Lateral Compressive Strength*	26.42 (37.58)	tons/sqm (PSI)
Short Term Deflection	Vertical Deflection at peak load	65.20 kN/ m²	Per mm
	Lateral Deflection	12.80 kN/m²	Per mm
Long Term Deflection	Estimated long term deflection (vertical creep) projected 50 yrs ** <i>applied test load of 145 kN / m²</i>	1.08% (3.88mm)	145 kN/m²
	Estimated long term deflection (lateral creep) projected 50 yrs ** <i>applied test load of 32kN/m²</i>	1.41% (8.46 mm)	32 kN/m²

* All compressive strength at yield to be used for safe design, maximum recommended safe design value, safety factors to be incorporated.

**Derived from long term Extrapolated Creep testing data, 516 days minimum

NOTE: All 'RAINSMART Products and Systems are DESIGN REGISTERED.

Safety Factors: Engineers, designers and geotechnical engineers should design and calculate safety factors to a serviceable limited state to suit specific project. In case of doubt, consult your nearest distributor or representative.

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