



GreenGrid Stormwater Retention Values: Calculations presented below are based on data provided to Weston by the soil supplier. All measurements are nominal and in lbs or sf unless noted.

			All values per SF unless noted			
8" High Capacity Intensive #7 Media	Volume (cf)	Height (in)	Dry Weight (per cf) 47.16	Wet Weight (per cf) 74.24	Water Weight	Percent of Dry
Sedum Plantings	0.0	NA	5.0	5.0	0.0	NA
Soil Media – 2.25cf per module / 0.56cf per sf	0.6	8.0	26.8	41.8	15.0	64%
Module “cups” / Drainage Layer - Assumed incorporated into media, providing no water retention (conservative). Weight shown is empty module weight.	0.0	0.8	1.0	1.0	0.0	0%
SYSTEM TOTAL		8.0	32.8	47.8	15.0	

Water Retention Standard Grow	1.80 gal per sf	2.99 in per sf
--------------------------------------	------------------------	-----------------------

* 1gallon = 8.35lbs water
 ** 1" of rain = 0.6gal per sf

***Please Note: Calculations are based on current bulk density provided by the media supplier. There are no FLL criteria for semi-intensive media, so a semi-intensive blend may fall outside the FLL limits for either extensive or intensive. Semi-intensive media is formulated to provide a well structured base for sedum and smaller herbaceous plantings at depths of 4-8". Intensive media is designed for plantings at depths of 6+” and plant types ranging from sedum through ornamental grasses and large herbaceous plantings.*

While this information is representative, variations in media, actual dimensions and assembled volumes of various materials can and do exist. Weston makes no warranty as to the accuracy of the calculations contained herein, nor the fact that media or other components provided to Weston, if tested, will have results that are as presented above, and the purchaser accepts all liability for determining which green roof system, if any, is appropriate for the structure upon which it is placed.