

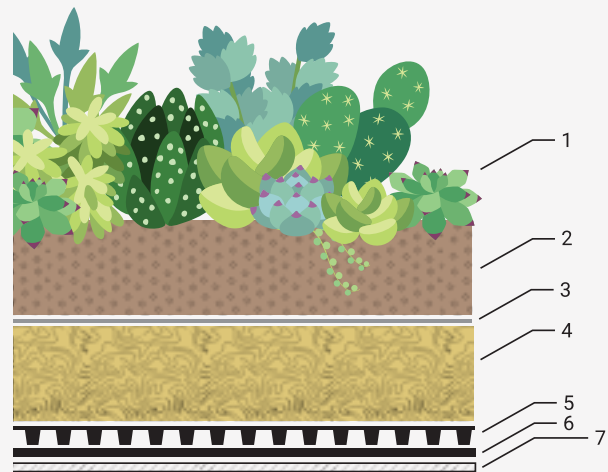


**GREEN ROOF**  
Over Conventional Roofing Assembly

ecospaces +M Green Roof Systems							
System	Mineral Wool Depth	Soil Depth	Total System Depth*	Max Retention Storage Volume - ASTM E2399		Dry Weight - ASTM E2399	Saturated Weight (Max Dead Load)- ASTM E-2399
				gallons/sf	inches		
2.5 +M	1"	1.5"	2.5"	1.2	1.93	10.25 lbs/sf	20.36 lbs/sf
4 +Ma	2"	2"	4"	1.9	3.05	13.30 lbs/sf	29.48 lbs/sf
4 +Mb	1"	3"	4"	1.7	2.73	16.77 lbs/sf	30.69 lbs/sf
6 +Ma	2"	4"	6"	2.5	4.01	21.88 lbs/sf	43.08 lbs/sf
6 +Mb	3"	3"	6"	2.8	4.49	18.41 lbs/sf	41.86 lbs/sf
8 +Ma	2"	6"	8"	3.1	4.97	30.46 lbs/sf	56.67 lbs/sf
8 +Mb	3"	5"	8"	3.5	5.45	26.99 lbs/sf	55.46 lbs/sf

### Green Roof Details

1. Plants: Sedum plugs (75-95% coverage), sedum mats (95% coverage), or other intensive plantings (75-95% coverage)
2. Soil Media: Engineered lightweight soil mix
3. Filter Fabric: Polypropylene non-woven filter fabric
4. Water Retention Layer: Mineral Wool
5. Drainage: Rolled matrix drainage system
6. Protection Layer: 45 Mil EPDM slip sheet
7. Waterproofing Membrane: TPO, EPDM, or other conventional roofing assembly (provided by others)



NOT TO SCALE

\*OVERALL DEPTH WILL INCLUDE AN ADDITIONAL 1/4 INCH FOR THE DRAINAGE SYSTEM AND A 1/2 INCH OR MORE FOR SEDUM MATS OR INTENSIVE PLANTINGS.

ECOSPACES ASSUMES NO LIABILITY FOR THE STRUCTURAL INTEGRITY OF THE ROOF STRUCTURE. ILLUSTRATIONS ARE TO CONCEPTUALLY ASSIST PROFESSIONALS IN DESIGNING ECOSPACES SYSTEMS. ECOSPACES DOES NOT ACCEPT RESPONSIBILITY FOR ENGINEERING BASED ON ILLUSTRATIONS. A QUALIFIED ROOFING SPECIALIST SHOULD BE CONSULTED TO DETERMINE APPROPRIATE WATERPROOFING AND ROOF DECK MATERIALS AND SUITABLE DESIGN.