

Greenroof-Roofscapes®

Roofscape® Gro LE



DESCRIPTION

Our Roofscape® Gro LE (Lite Extensive) is our ultra-lightweight growing media blend for extensive vegetated roofs with drought tolerant plantings. All growth media is custom blended to accommodate the plant selection of each project.

Roofscape® Gro LE growth media offers many advantages:

- a precisely blended growth media designed for extensive green roof systems with a **media depth of 3-6 inches**
- designed to be **ultra-lightweight**, Roofscape® Gro LE uses porous materials designed to **retain maximum amounts of water** while simultaneously **promoting drainage**
- suitable for **shallow rooting green roof plants** such as sedums and other drought tolerant species
- blended to strict **FLL-compliant** guidelines



LEED INFORMATION

- Materials & Resources (MR)



PACKAGING

- 2 yd³ Supersack
- Bulk

	PROPERTIES	MEASUREMENT	TEST METHOD
TECHNICAL PROPERTIES	System	Extensive	-
	Coverage	<ul style="list-style-type: none"> • 3" = 108 sq/ft • 4" = 81 sq/ft • 6" = 54 sq/ft 	-
	Dry Weight	27 lbs/cubic ft	-
	Saturated Weight	56 lbs/cubic ft <ul style="list-style-type: none"> • 3" = 14.0 lbs/sqft • 4" = 18.7 lbs/sqft • 6" = 28.0 lbs/sqft 	-
	Bulk Shipping Information	Bulk material weight (lbs/cubic yd) <ul style="list-style-type: none"> • Dump Trailer = 35 - 37 cubic yds • Tri-Axle = 23 - 25 cubic yds 	
	Super Sacks (2 Cubic Yds)	Super Sacks Weight = 3,560 lbs (approx.) <ul style="list-style-type: none"> • Flatbed Trailer = 15 - 16 cubic yds 	



(800) 647-0100



info@barrettroofs.com

barrettroofs.com

Grain Size Distribution

PROPERTIES	MM	IN	DRY WEIGHT (%)
Passing 1/2" Sieve	12.50	0.50	100
Passing 3/8" Sieve	9.53	0.375	80 - 100
Passing 1/8" Sieve	3.18	0.125	40 - 80
Passing #18 Sieve	1.00	0.039	20 - 50
Passing #60 Sieve	0.25	0.010	15 - 30
Passing #230 Sieve	0.06	0.002	5 - 20
Silt & Clay Fraction	< 0.06	< 0.002	< 5

Density

PROPERTIES	G / CM ³	LBS / FT ³
Application Density	0.48 - 0.61	31 - 38
Saturated Density	0.82 - 0.98	48 - 57

Water & Air Management

PROPERTIES	VOLUME (%)	IN ³ / FT ³
Saturated Water Capacity	35 - 75	604 - 1,295
Saturated Air Capacity	> 10	> 173

PROPERTIES	CM / HR	IN / HR
Saturated Hydraulic Conductivity	> 5.0	> 1.9

pH / Lime / Salt Content

PROPERTIES	UNITS	CaCO ₃ (%)	MMHOS / CM
pH (Saturated Paste)	6.0 - 8.5	-	-
Carbonate Content	-	< 2.5	-
Electrical Conductivity	-	-	< 2.5

Organics

PROPERTIES	DRY WEIGHT (%)
Organic Matter	6.0 - 8.5
Carbonate Content	-

Cation Exchange Capacity

PROPERTIES	MEG / 100G DW
CEcap	> 5

Grain Size Distribution

PROPERTIES	MG / L SAT. EXTRACT	LBS / 1,000 FT ³	FLL PARAMETERS
Nitrogen (NO ₃ + NH ₄ as N)	270 - 417	7 - 11	3 - 15
Phosphorous (as P ₂ O ₅)	162 - 189	4 - 5	1 - 7
Potassium (K ₂ O)	324 - 417	8 - 11	6 - 15
Calcium (Ca)	621 - 1134	19 - 30	19 - 65
Magnesium (Mg)	243 - 378	6 - 10	3 - 15
Sulfur (as SO ₄ -S)	27 - 97	1 - 2.5	1 - 3.5
Copper (Cu)	7 - 14	0.25 - 0.50	0.25 - 0.50
Zinc (Zn)	0.28 - 0.83	0.01 - 0.03	0.01 - 0.03
Iron (Fe)	27 - 81	1 - 3	1 - 3
Manganese (Mn)	27 - 81	1 - 3	1 - 3
Boron (Water Soluble B)	7 - 14	0.25 - 0.50	0.25 - 0.50



(800) 647-0100



info@barrettroofs.com

barrettroofs.com