



GROWTH MEDIA & SOIL ADDITIVES

VEGETATIVE ROOFING MEDIAS

Semi-Intensive Blend

Our Semi-Intensive Blend is mixed for semi-intensive vegetated roofs with expanded plant palettes. We custom blend per a project's plant palette. Semi-Intensive Blend growth media offers many advantages:

- a precisely blended growth media designed for semi-intensive green roof systems with a **media depth of 6-12 inches**
- designed to be **lightweight**, Semi-Intensive Blend growth media uses porous materials designed to **retain maximum amounts of water** while simultaneously **promoting drainage**
- suitable for a wide range of **perennials, ornamental grasses, and even small shrubs and evergreens**
- blended to strict **FLL-compliant** guidelines



LEED Credits available for:
• Materials & Resources (MR)



Tiered pricing based on product quantity



Available in:

- Bulk
- 1.5 & 2 yd³ Super Sacks
- 1 ft³ Bags

QUICK REFERENCE & SHIPPING DATA

Vegetated Roofing Use:

- Standard semi-intensive vegetated roofs

Coverage (1 yd³):

- at 6" = 54 ft²
- at 9" = 36 ft²
- at 12" = 27 ft²

Dry Weight (approximate):

- 55 lbs. / ft³

Saturated Weight (approximate):

- 74 lbs. / ft³
 - at 6" = 37.0 lbs. / ft²
 - at 9" = 55.5 lbs. / ft²
 - at 12" = 74.0 lbs. / ft²

Bulk Shipping Data:

- Bulk material weighs approximately 1,800 lbs. / yd³
- 32 - 34 yd³ in dump trailer, 22 - 24 yd³ in a tri-axle

2 yd³ Super Sacks:

- 2 yd³ Super Sacks weigh approximately 3,600 lbs.
- 15 - 16 2 yd³ Super Sacks / flatbed trailer

1.5 yd³ Super Sacks:

- 1.5 yd³ Super Sacks weigh approximately 2,700 lbs.
- 21 - 22 1.5 yd³ Super Sacks / flatbed trailer

1 ft³ Bags:

- 1 ft³ Bag weighs approximately 66.4 lbs.
- 60 Bags / pallet
- 14 - 15 pallets / flatbed trailer

TECHNICAL DATA

*Third party growth media analysis & testing completed by an authorized FLL Laboratory.

Grain Size Distribution:	mm	Inches	% of Dry Weight
Passing 1/2" Sieve	12.50	0.50	100
Passing 3/8" Sieve	9.53	0.375	90 - 100
Passing 1/8" Sieve	3.18	0.125	55 - 95
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:	g / cm³	lbs. / ft³	
Application Density	0.80 - 0.96	50 - 60	
Saturated Density	1.10 - 1.29	69 - 81	
Dry Media		% of Total Weight	
		31 - 62	
Water & Air Management:	% by Volume	in³ / ft³	
Saturated Water Capacity	35 - 75	604 - 1295	
Saturated Air Capacity	> 10	> 173	
	cm / hour	inches / hour	
Saturated Hydraulic Conductivity	> 4.9	> 1.9	
pH, Lime, & Salt Content:	units	% as CaCO₃	mmhos / cm
pH (saturated paste)	6.0 - 8.5	-	-
Carbonate Content	-	< 2.5	-
Electrical Conductivity	-	-	< 2.5
Organics:	% of Dry Weight		
Organic Matter	7.0 - 9.5		
C/N Ratio	< 25:1		
Nutrients:	mg / l Saturated Extract	lbs. / 1,000 ft³	FLL Parameters lbs. / 1,000 ft³
Nitrogen (NO ₃ + NH ₄ as N)	324 - 417	8 - 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)	54 - 97	1.5 - 3.0	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
Cation Exchange Capacity:	meg / 100g dw		
CE _{cap}	> 7		