Growth Media & Soil Additives

Vegetative Roofing Medias

Extensive Blend

Our Extensive Blend is our bread & butter blend for extensive vegetated roofs with drought tolerant plantings. We custom blend growth media per a project's plant palette. Extensive Blend 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 **lightweight**, Extensive Blend growth media 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 Credits available for:
- Materials & Resources (MR)

Tiered pricing based on product quantity

Available in:
- Bulk
- 1.5 & 2 yd^3 Super Sacks
- 1 ft^3 Bags

QUICK REFERENCE & SHIPPING DATA

Vegetated Roofing Use:
- Standard extensive vegetated roofs

Coverage (1 yd^3):
- at 3" = 108 ft^2
- at 4" = 81 ft^2
- at 6" = 54 ft^2

Dry Weight (approximate):
- 43 lbs. / ft^3

Saturated Weight (approximate):
- 74 lbs. / ft^3
  - at 3" = 18.5 lbs. / ft^2
  - at 4" = 24.6 lbs. / ft^2
  - at 6" = 37.0 lbs. / ft^2

Bulk Shipping Data:
- Bulk material weighs approximately 1,780 lbs. / yd^3
- 32 - 34 yd^3 in dump trailer, 22 - 24 yd^3 in a tri-axle

2 yd^3 Super Sacks:
- 2 yd^3 Super Sacks weigh approximately 3,560 lbs.
- 15 - 16 2 yd^3 Super Sacks / flatbed trailer

1.5 yd^3 Super Sacks:
- 1.5 yd^3 Super Sacks weigh approximately 2,670 lbs.
- 21 - 22 1.5 yd^3 Super Sacks / flatbed trailer

1 ft^3 Bags:
- 1 ft^3 Bag weighs approximately 65.9 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	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:	g / cm³	lbs. / ft³
Application Density	0.64 - 0.80	40 - 50
Saturated Density	1.08 - 1.29	68 - 81
		% of Total Weight
Dry Media		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	> 5.0	> 1.9

pH, Lime, & Salt Content:	units	% as $CaCO_3$	mmhos / cm
pH (saturated paste)	6.0 - 8.5	-	-
Carbonate Content	-	< 2.5	-
Electrical Conductivity	-	-	< 2.5

Organics:	% of Dry Weight
Organic Matter	6.0 - 8.5
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)	270 - 417	7 - 11	3 - 15
Phosphorous (as P_2O_5)	162 - 189	4 - 5	1 - 7
Potassium (K_2O)	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

Cation Exchange Capacity:	meg / 100g dw
CE_{cap}	> 5