



# GROWTH MEDIA & SOIL ADDITIVES

## VEGETATIVE ROOFING MEDIAS

Lite Intensive Blend

Our Lite Intensive Blend is appropriate for intensive vegetated roofs with deep rooting plantings that do not have the structural capacity appropriate for plaza deck requirements. We custom blend growth media per a project's plant palette. Lite Intensive Blend growth media offers many advantages:

- a precisely blended growth media designed for intensive / plaza deck systems with a **media depth of 1-4 feet**
- designed to be **lightweight**, Lite Intensive Blend growth media uses porous materials designed to **retain maximum amounts of water** while simultaneously **promoting drainage**
- suitable for **deep rooting plants** such as adaptive ornamental grasses, perennials, shrubs, and trees
- 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<sup>3</sup> Super Sacks
- 1 ft<sup>3</sup> Bags

### QUICK REFERENCE & SHIPPING DATA

#### Vegetated Roofing Use:

- Lightweight intensive vegetated roofs

#### Coverage (1 yd<sup>3</sup>):

- at 2' = 11.26 ft<sup>2</sup>
- at 3' = 7.51 ft<sup>2</sup>
- at 4' = 5.63 ft<sup>2</sup>

#### Dry Weight (approximate):

- 18.3 lbs. / ft<sup>3</sup>

#### Saturated Weight (approximate):

- 63.7 lbs. / ft<sup>3</sup>
  - at 2' = 127.4 lbs. / ft<sup>2</sup>
  - at 3' = 191.1 lbs. / ft<sup>2</sup>
  - at 4' = 254.8 lbs. / ft<sup>2</sup>

#### Bulk Shipping Data:

- Bulk material weighs approximately 1,220 lbs. / yd<sup>3</sup>
- 32 - 34 yd<sup>3</sup> in dump trailer, 22 - 24 yd<sup>3</sup> in a tri-axle

#### 2 yd<sup>3</sup> Super Sacks:

- 2 yd<sup>3</sup> Super Sacks weigh approximately 2,441 lbs.
- 15 - 16 2 yd<sup>3</sup> Super Sacks / flatbed trailer

#### 1.5 yd<sup>3</sup> Super Sacks:

- 1.5 yd<sup>3</sup> Super Sacks weigh approximately 1,851 lbs.
- 21 - 22 1.5 yd<sup>3</sup> Super Sacks / flatbed trailer

#### 1 ft<sup>3</sup> Bags:

- 1 ft<sup>3</sup> Bag weighs approximately 45.2 lbs.
- 60 Bags / pallet
- 15 - 16 pallets / flatbed trailer

## TECHNICAL DATA

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

<b>Grain Size Distribution:</b>	<b>mm</b>	<b>Inches</b>	<b>% of Dry Weight</b>
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	45 - 80
Passing #18 Sieve	1.00	0.039	30 - 45
Passing #60 Sieve	0.25	0.010	20 - 30
Passing #230 Sieve	0.06	0.002	10 - 20
Silt & Clay Fraction	< 0.06	< 0.002	< 10

<b>Density:</b>	<b>g / cm<sup>3</sup></b>	<b>lbs. / ft<sup>3</sup></b>	<b>% of Total Weight</b>
Application Density	0.62 - 0.75	39 - 47	
Saturated Density	0.92 - 1.02	59 - 64	
Dry Media			18 - 22

<b>Water &amp; Air Management:</b>	<b>% by Volume</b>	<b>in<sup>3</sup> / ft<sup>3</sup></b>
Saturated Water Capacity	40 - 70	690 - 1209
Saturated Air Capacity	> 10	> 173
	<b>cm / hour</b>	<b>inches / hour</b>
Saturated Hydraulic Conductivity	> 4.0	> 1.5

<b>pH, Lime, &amp; Salt Content:</b>	<b>units</b>	<b>% as CaCO<sub>3</sub></b>	<b>mmhos / cm</b>
pH (saturated paste)	6.0 - 8.5	-	-
Carbonate Content	-	< 2.5	-
Electrical Conductivity	-	-	< 2.5

<b>Organics:</b>	<b>% of Dry Weight</b>
Organic Matter	5.5 - 8.0
C/N Ratio	< 22:1

<b>Nutrients:</b>	<b>mg / l Saturated Extract</b>	<b>lbs. / 1,000 ft<sup>3</sup></b>	<b>FLL Parameters lbs. / 1,000 ft<sup>3</sup></b>
Nitrogen (NO <sub>3</sub> + NH <sub>4</sub> as N)	289 - 396	8 - 11	3 - 15
Phosphorous (as P <sub>2</sub> O <sub>5</sub> )	162 - 189	4 - 5	1 - 7
Potassium (K <sub>2</sub> O)	324 - 417	8 - 11	6 - 15
Calcium (Ca)	621 - 1134	19 - 30	19 - 65
Magnesium (Mg)	270 - 378	7 - 10	3 - 15
Sulfur (as SO <sub>4</sub> -S)	68 - 95	2.5 - 3.5	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

<b>Cation Exchange Capacity:</b>	<b>meg / 100g dw</b>
CE <sub>cap</sub>	> 5