

## TERRAPOR EX - EXTENSIVE GROWTH MEDIA

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)



- 2 yd<sup>3</sup> Supersack
- Bulk



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### QUICK REFERENCE & SHIPPING DATA

#### Vegetated Roofing Use:

- Extensive vegetated roofs

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

- at 3" = 108 ft<sup>2</sup>
- at 4" = 81 ft<sup>2</sup>
- at 6" = 54 ft<sup>2</sup>

#### Dry Weight (approximate):

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

#### Saturated Weight (approximate):

- 74 lbs. / ft<sup>3</sup>
  - at 3" = 18.5 lbs. / ft<sup>2</sup>
  - at 4" = 24.6 lbs. / ft<sup>2</sup>
  - at 6" = 37.0 lbs. / ft<sup>2</sup>

#### Bulk Shipping Data:

- Bulk material weighs approximately 1,780 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 3,560 lbs.
- 15 - 16 2 yd<sup>3</sup> Super Sacks / 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	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
<b>Density:</b>			
	<b>g / cm<sup>3</sup></b>	<b>lbs. / ft<sup>3</sup></b>	
Application Density	0.64 - 0.80	40 - 50	
Saturated Density	1.08 - 1.29	68 - 81	
		<b>% of Total Weight</b>	
Dry Media		31 - 62	
<b>Water &amp; Air Management:</b>			
	<b>% by Volume</b>	<b>in<sup>3</sup> / ft<sup>3</sup></b>	
Saturated Water Capacity	35 - 75	604 - 1295	
Saturated Air Capacity	> 10	> 173	
	<b>cm / hour</b>	<b>inches / hour</b>	
Saturated Hydraulic Conductivity	> 5.0	> 1.9	
<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	6.0 - 8.5		
C/N Ratio	< 25:1		
<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)	270 - 417	7 - 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)	243 - 378	6 - 10	3 - 15
Sulfur (as SO <sub>4</sub> -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
<b>Cation Exchange Capacity:</b>			
	<b>meg / 100g dw</b>		
CE <sub>cap</sub>	> 5		