

TERRAPOR IN - INTENSIVE GROWTH MEDIA

Our Intensive Blend is mixed for vegetated roofs with large plant palettes that include trees & shrubs. We custom blend per a project's plant palette. Intensive Blend growth media offers many advantages:

- a precisely blended growth media designed for intensive green roof systems with a **media depth greater than 12 inches**
- designed to be **lightweight**, Intensive Blend growth media uses porous materials designed to **retain maximum amounts of water** while simultaneously **promoting drainage**
- suitable for the widest variety of **perennials, ornamental grasses, shrubs, and trees**
- blended to strict **FLL-compliant** guidelines



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



- 2 yd³ Supersack
- Bulk



- 2 yd³ Super Sacks
- Bulk

QUICK REFERENCE & SHIPPING DATA

Vegetated Roofing Use:

- Standard intensive vegetated roofs

Coverage (1 yd³):

- at 12" = 27 ft²
- at 18" = 18 ft²
- at 24" = 13.5 ft²

Dry Weight (approximate):

- 43 lbs. / ft³

Saturated Weight (approximate):

- 76 lbs. / ft³
 - at 12" = 76.0 lbs. / ft²
 - at 18" = 114.0 lbs. / ft²
 - at 24" = 152.0 lbs. / ft²

Bulk Shipping Data:

- Bulk material weighs approximately 1,500 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 3,000 lbs.
- 15 - 16 2 yd³ Super Sacks / 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	65 - 95
Passing #18 Sieve	1.00	0.039	30 - 65
Passing #60 Sieve	0.25	0.010	15 - 35
Passing #230 Sieve	0.06	0.002	5 - 25
Silt & Clay Fraction	< 0.06	< 0.002	< 5

Density:	g / cm³	lbs. / ft³
Application Density	0.74 - 0.93	46 - 58
Saturated Density	1.06 - 1.26	66 - 79
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	> 5.0	> 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	7.5 - 10.0
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)	351 - 417	12 - 14	3 - 15
Phosphorous (as P ₂ O ₅)	189 - 216	6 - 7	1 - 7
Potassium (K ₂ O)	324 - 417	12 - 15	6 - 15
Calcium (Ca)	729 - 1134	31 - 48	19 - 65
Magnesium (Mg)	243 - 324	10 - 14	3 - 15
Sulfur (as SO ₄ -S)	81 - 97	3.0 - 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

Cation Exchange Capacity:	meg / 100g dw
CE _{cap}	> 7