

TERRAPOR AG - AGRICULTURAL GROWTH MEDIA

Our Agricultural Blend is mixed for vegetated roofs with numerous varieties of crop palettes. We custom blend per a project's crop palette. Agricultural Blend growth media offers many advantages:

- a precisely blended growth media designed for agricultural green roof systems with a **media depth of 6-18 inches**
- designed to be **lightweight**, Agricultural Blend growth media uses porous materials designed to **retain maximum amounts of water** while simultaneously **promoting drainage**
- optimized for farming and the production of **agricultural crops**
- blended to strict **FLL-compliant** guidelines



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



• Special order product



• 2 yd³ Supersack
• Bulk



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QUICK REFERENCE & SHIPPING DATA

Vegetated Roofing Use:

- Standard agricultural vegetated roofs

Coverage (1 yd³):

- at 9" = 36 ft²
- at 12" = 27 ft²
- at 18" = 18 ft²

Dry Weight (approximate):

- 43 lbs. / ft³

Saturated Weight (approximate):

- 74 lbs. / ft³
 - at 9" = 55.5 lbs. / ft²
 - at 12" = 74.0 lbs. / ft²
 - at 18" = 111.0 lbs. / ft²

Bulk Shipping Data:

- Bulk material weighs approximately 1,425 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 2,850 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	80 - 100
Passing 1/8" Sieve	3.18	0.125	50 - 85
Passing #18 Sieve	1.00	0.039	30 - 55
Passing #60 Sieve	0.25	0.010	20 - 35
Passing #230 Sieve	0.06	0.002	10 - 25
Silt & Clay Fraction	< 0.06	< 0.002	< 10
Density:			
	g / cm³	lbs. / ft³	
Application Density	0.61 - 0.78	38 - 49	
Saturated Density	1.01 - 1.25	63 - 78	
		% of Total Weight	
Dry Media		31 - 62	
Water & Air Management:			
	% by Volume	in³ / ft³	
Saturated Water Capacity	40 - 70	690 - 1205	
Saturated Air Capacity	> 10	> 173	
	cm / hour	inches / hour	
Saturated Hydraulic Conductivity	> 5.0	> 1.7	
pH, Lime, & Salt Content:			
	units	% as CaCO₃	mmhos / cm
pH (saturated paste)	6.0 - 7.5	-	-
Carbonate Content	-	< 2.5	-
Electrical Conductivity	-	-	< 2.5
Organics:			
	% of Dry Weight		
Organic Matter	8.0 - 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)	135 - 189	6 - 7	1 - 7
Potassium (K ₂ O)	324 - 340	14 - 15	6 - 15
Calcium (Ca)	702 - 1134	27 - 44	19 - 65
Magnesium (Mg)	162 - 216	6 - 9	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 - 54	1 - 2.5	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}	> 6		