



NatureTEC GREEN ROOF MEDIA

SEMI-INTENSIVE

REVISED: 08.12

Contact Soprema for quantity and delivery options.

NatureTEC SEMI-INTENSIVE GREEN ROOF MEDIA is an engineered growing media specifically designed for green roof applications. It is extremely light-weight and will aid in minimizing roof loads. Additionally, its low compaction rate and resistance to frost and fire balances water retention and the need to drain excessive water from the system. The roof media is a vital element of any green roof system and must be adjusted for regional conditions.

NatureTEC SEMI-INTENSIVE GREEN ROOF MEDIA complies with all related ASTM and German FLL standards.

See published Specifications and Approved Details.

PHYSICAL PROPERTIES

Properties	Data	Test Method
Particle size less than 0.063 mm	7.1%	ASTM D 422-63
Bulk density (dry weight)	0.070 g/cm ³ (43.8 pcf)	ASTM E 2397-05
Bulk density (at max. water capacity)	1.15 g/cm ³ (71.9 pcf)	ASTM E 2397-05
Total pore volume	60.6%	ASTM C 29
Maximum water capacity	45.5%	ASTM E 2399-05
Air-filled porosity (max. water capacity)	15.6%	ASTM E 2396-05
Permeability	29.9 mm/min.	**
PH (water)	7.8	**
Soluble salts (1:2 soil:water ratio)	1.21 mmhos/cm (1.8 g/L)	ASTM E 2974-87
Organic matter	5.9%	**
Phosphorus	73 mg/L	**
Potassium	357 mg/L	**
Magnesium	276 mg/L	**
Nitrate and ammonium	56 mg/L	**
Calcium	1496 mg/L	**

** Methods of Soil Analysis, Pt. 3 Chemical Analysis, SSA Book Series 4, Soil Science of American Society

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