

# Extensive Media



An engineered growing media comprised of lightweight mineral aggregates and organic components designed specifically for extensive green roof applications with a typical media depth of 3 - 6 inches.

Our extensive mix will compress when installed by approximately 10%. This must be taken into consideration when calculating total soil volume.

Media is a critical element of any green roof system and must be adjusted for regional conditions.

## FEATURES AND BENEFITS

- Extremely lightweight to minimize roof load
- Very low compaction (approx. 10% upon installation)
- Resistant to frost and fire
- Complies with all related ASTM and German FLL standards

## PRODUCT DATA

<b>Available Sizes</b>	1.5 ft <sup>3</sup> Bags 2CY Totes Bulk
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## TECHNICAL DATA

Properties	Units	Extensive Media	FLL* Guideline M.C. Extensive	Test Method
Particle Size Less Than 0.063mm	mass %	<10	≤15	ASTM F-1632 Method B
Bulk Density (at max. water capacity)	lb/ft <sup>3</sup>	<75	-	ASTM E-2399
	g/cm <sup>3</sup>	<1.2	-	ASTM E-2399
Maximum Water Capacity	% volume	35 - 45	≥35	ASTM E-2399
Air-Filled Porosity (at max. water capacity)	% volume	>10	≥10	ASTM E-2399
Permeability	in/min	0.5 - 2.75	≥0.024	ASTM E-2399
	mm/min	12.7 - 69.9	≥0.6	ASTM E-2399
pH (0.01 CaCl <sub>2</sub> )	-	6 - 7.5	6.5 - 8	ASTM D-4972 w CaCl <sub>2</sub>
Soluble Salts (SME/DTPA extraction)	mmhos/cm	<2.5	<3.5	ASTM E-2399
Organic Matter	mass %	5.0 - 8.0	≤8	ASTM E-2399
Cation Exchange Capacity (CEC)	meq/100g	>10	-	**

\*Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau e.V. (FLL) Landscape Development and Landscaping Research Society, 2008

