

SH206

Aggregated based growing media for unpaved surfaces around urban trees

Growing media SH206 is made up of 2-7 mm aggregates combined with a 1:1 mix of enriched biochar and compost (25% volume) as growing medium around the urban trees (as a top layer of structural soil).

Biochar and Compost

Biochar improves composting performance, humification, microbial diversity and activity, reduces greenhouse gas emissions, and immobilizes potentially toxic metals and organic pollutants.

Biochar's porous structure also allows it to remove a wide range of pollutants from stormwater.

The pH profiles of biochar produced by different methods (pyrolysis or hydrothermal carbonization) and different feedstocks vary significantly.

Compost can hold more water with biochar which improves plant growth.

Biochar needs to be activated with the compost for a minimum of one month.

Full Blend Installation

All media is pre-blended and supplied for direct installation and compaction.

Biochar Specification

Total Nitrogen	0.20 %
Phosphorous	0.36 %
Potassium	1.37 %
Magnesium	0.55 %
Calcium	2.39 %
Iron	4,586 ppm
Zinc	168 ppm
Copper	34 ppm
Particles < 3 mm	> 95 %

Compost Specification

Total Nitrogen	1.75 %
Phosphorous	0.26 %
Potassium	1.27 %
Magnesium	0.30 %
Calcium	1.97 %
Iron	5,800 ppm
Lead	22 ppm
Cadmium	0.36 ppm
Copper	29 ppm
Nickel	4.4 ppm
Zinc	136 ppm
Arsenic	8.9 ppm
Mercury	< 0.12 ppm
Chromium	10.6 ppm
C/N Ratio	18.3

Aggregate Specification

Sieve Size (mm)	Percentage Passing (%)
8.00	100
6.30	95-100
2.36	< 1