



Big River Industries

By using Big River expanded clay lightweight aggregate you can reduce loads by half using ¾" to #200 aggregate size that meets ASTM C-330 test method.

Has a Phi Angle that averages 47.3.

Has an in place compaction of 60 pcf.

Free Draining

It can be placed in any weather using standard equipment.

Very Durable

Listed below are results of testing methods for using Gravelite expanded lightweight for different Geotechnical applications.

Property	Description	Test Method	Previous Result
Dry Loose Density	Minimum Density	ASTM D-4254	36 – 42 pcf
Dry Compacted Density	Maximum Density	ASTM D-4253	42 - 48 pcf
Strength	Phi Angle	ASTM D-3080	47.3
Gradation	Sieve Analysis	ASTM C-136	¾" to #200
Soundness	Magnesium Sulfate		2.3 %
Abrasive Resistance	L A Abrasion	TR-111	24%
Permeability			
Resistivity Field Stockpile	Resistivity Meter	AASHTO T288	> 30,000 ohm-cm
pH	pH Meter	TR430 TR430 Modified	9.0 - 10.0 7.0 – 8.0
Chloride Content	Chloride Content of Soils	AASHTO T291	6 ppm
Sulfate Content	Sulfate Content of Soils	AASHTO T290	14.5 ppm
Organic Content		AASHTO T2	0
Bulk Density	Compaction using Standard Effort	ASTM D 698	40-45 pcf
CBR	California Bearing Ratio	ASTM D 1883	Eustis Report