

Technical Data

Septic Sand ASTM C-33

Greater Vancouver
Aggregates Division

Features and Advantages

All *Lafarge's Septic Sands or Sewage Mound Sands* are produced from some of the highest quality sand & gravel reserves in the Lower Mainland, by means of washing and vibratory screening. This is done to meet the most restrictive specification (ASTM C-33) as recommended by the Simon Fraser Health Region (SFHR) and monitored under our Quality Assurance Program.

Both feed stock and finished sands are produced through our modern Sand Processing Wash Plants using the latest industrial processing technology. The result is an environmentally clean sand with a consistent and uniform particle size distribution, superior to most common or local pit sands.

By using *Lafarge Aggregate Division's Septic Sands* that

meet the ASTM C-33 gradation you can produce a high quality sewage mound or drainage field that research indicates may reduce the rate of biomat clogging due to fewer fines as compared to a sand with additional fines at an equivalent rate. By using *Lafarge's Septic Sands* you are supporting a BC produced product that is available to meet your construction needs year-round. Our clean, non-leaching, environmentally sound sands are available, delivered to your project by truck or slinger.

Lafarge's Regular Septic Sand is available at most of our pits through-out the Fraser Valley and Lower Mainland, but the Modified is only available at our Coquitlam Sand and Gravel Pit. We also produce a consistent gradation of natural washed 20-14mm *Septic Stone (3/4x1/2")* that meets local municipal standards.

Typical Values - Data shown here is accurate and reliable, but not a specification.
- Typical, means average percent passing on individual sieve.

Particle Size Analysis

Sieves (ASTM)	Lafarge Regular Septic Sand	ASTM C-33 Regular Specification	Lafarge Modified Septic Sand	ASTM C-33 Modified Specification
9.5 mm (3/8")	100%	100	100%	100
4.75 mm (#4)	100%	95-100	100%	95-100
2.36 mm (#8)	90%	80-100	84%	80-100
1.18 mm (#16)	73%	50-85	64%	50-85
600 µm (#30)	51%	25-60	43%	25-60
300 µm (#50)	25%	5-30	17%	5-30
150 µm (#100)	8%	0-10	4%	0-5
75 µm (#200)	1%	0-3	1%	0-1
PAN	0%	0-0	0%	0-0
Product Code:	AG2594-396		AG2576	

Technical Data

Septic Sand ASTM C-33

Coquitlam
Sand and Gravel

Product Properties

Typical Values — Data shown here is accurate and reliable, but not a specification.

Property	Test Method	Unit	Typical Values
Absorption	CSA A23.2-6A, ASTM C-125	%	0.96
Bulk Relative Density SSD Basis	ASTM C-128	Value / Index	2.67
Fineness Modulus (FM)	ASTM C-136	Value / Index	2.60
Sand Equivalent	ASTM D-2419	Value / Index	68
Uniformity Coefficient		Regular Spec.	4.95
		Modified Spec.	6.45

Volume Calculation

Example Volume Calculation:

70 Feet Wide
Sewage Mound
120 Feet Long
2'-0" Depth

Sample shown here is accurate and reliable, but not a bid volume.

Area Volume Calculation for Septic Sand:

Length x Width = Square Footage = 120' x 70' = 8,400 Square Feet.

Square Feet x Depth = Cubic Feet required. = 8,400 Sq. Ft. X 2' = 16,800 Cubic Feet.

Cubic Feet per Cubic Metre is 16,800 / 35.315 Ft / 1m³ = 476 M³.

Unit Weight Conversion is approximately 1.6 metric Tonnes per cubic metre.

Total Septic Sand Volume required = 1.6 MT / M³ x 476 M³ = 762 metric Tonnes.

This volume calculator is accurate and reliable, but should not be used as a tendered quantity.

Ordering Information

Material Location:

Our Septic Sand C-33 Modified is only available in bulk at Coquitlam Sand and Gravel, located on 1850 Pipeline Road.

Division Office:

19633 98A Avenue
Langley, BC V1M 3G5
Office: 604-455-6200
Dispatch: 604-455-6226

Visit... www.LafargeHomeDelivery.com

NOTICE:

All information contained herein is correct to the best of our knowledge. Lafarge Canada Inc. Disclaims any variation in its accuracy, all values are typical. Recommendations or suggestions are made without guarantee as to result, since conditions of storage and use are beyond our control. Materials are sold under Lafarge Canada Inc. standard terms and conditions of sale and on the condition the purchaser make his own tests to determine suitability of each product for the buyer's purpose.

Lafarge Canada Inc. **Aggregate Dispatch:** 604-455-6226

YOUR SUPPLIER OF CHOICE OF
HIGH QUALITY AGGGREGATES

