

Technical Data

Drain Rock

GVA Aggregate Division

Features and Advantages

All *Lafarge Construction Materials Drain Rock and Stone* is produced from some of the highest quality sand & gravel and or igneous intrusive granite rock reserves in the Lower Mainland, by means of drilling & blasting, crushing, washing and vibratory screening. This is done to meet the most stringent specifications of the local Master Municipal Construction Document. (MMCD) under our Quality Assurance Program.

Both feed stock and finished aggregates are produced through our modern Crushing and Washing Processing Plants using the latest industrial aggregate processing technology. The result is an environmentally clean, clear crush or stone with a consistent and uniform particle size distribution.

Lafarge Construction Materials Drain Rock and Stone will give you superior flow characteristics due to the increased

void spaces and our uniform particle size distribution. Our *"Clear Crush"* products have a high angularity, which is a result of our crushing process and the *"Washed Drain Stone"* has minimal fines, as a result of our high quality washing & product processing. By using *LCM Drain Rock and Stone* materials you are supporting a BC produced product that is available to meet your production needs year-round. Our clean, non-leaching environmentally sound products are available to be delivered to you by truck or they can be shipped directly to your project site by barge using the Fraser River Waterways System.

Lafarge Construction Materials Drain Rock and Stone is used in the construction and renovation of residential, commercial and industrial structures. It is most commonly used in weeping tile and septic drainage applications.

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)	MMCD Drain Rock Spec.	LCM 20mm Clear Crush Course Rock 3/4 x 1/2"	LCM 20mm Wash Stone Course Stone 1" x 1/2"	LCM Birdseye Fine Stone 3/8" x 1/8"	LCM 40mm Wash Stone "Optional" 1 1/2" x 1/2"
40.0 mm					100%
25.0 mm	Course Spec.	100%	100%		57%
20.0 mm	100%	90%	87%		<1%
12.5 mm		40%	18%		
9.5 mm	0-5%	<3%	<5%		
4.75 mm	50-100% Fine Spec			100.0%	
2.36 mm	10-35%			3.10%	
1.18 mm	5-15%			2.90%	
600 um	0-8%			2.80%	
300 um	0-5%			2.50%	
150 um	0-2%			2.10%	

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Product Properties

Property	Test Method	Unit	Typical Values
Sulphate Soundness	CSA A23.2-9A	% Loss	0.12
Absorption (Water)	CSA A23.2-12A, ASTM C-127	%	0.56
Bulk Density (SSD)	CSA A23.2-12A, ASTM C-128	%	2.75
Los Angeles Abrasion	CSA A23.3-16A, ASTM C-131	% Loss	13.1
Specific Gravity	CSA A23.2-12A, ASTM C-127	Dry Basis	2.78

Petrographic Analysis

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Granite	53%	The overall physical quality, strength and durability of the crushed rock is considered to be satisfactory for most aggregate products and most engineering applications. The Petrographic Number or P.N. of 100 confirms this judgment, as it corresponds to an aggregate of excellent quality. The Petrographic Examination of our Aggregates was tested to ASTM C-295 and MTO LS-609.
Diorite/Gabbro(Hard)	20%	
Diabase (Hard)	8%	
Intermediate Volcanics	12%	
Mafic Volcanics	4%	
Gneiss	2%	
Quartzite (Hard)	<2%	

Ordering Information

GVA Locations:

Cannon Mission Pit, Central Aggregates Ltd. (Abbotsford)
Coquitlam Sand & Gravel Ltd.
Pitt River Quarries Ltd. (P. Mdws)
Metro Vancouver Depots at...
Kent Avenue, Richmond & in
North Vancouver. Fraser Valley
Quarries at... Ward Road (Sumas)
Vedder Mt on Parmentor Road.

District Office:

2300 Rogers Avenue
Coquitlam, B.C. V3K 5X6
Tel: 604-521-8811
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LCM Drain Rock
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CANADA INC.

Lafarge Canada Inc. **Dispatch Office:** 604-777-8082 **Fax:** 604-521-8135
**YOUR SUPPLIER OF HIGH QUALITY ASPHALT,
CONCRETE AND CONSTRUCTIONS MATERIALS.**

