

Broken stone Certificate

January 10, 2013

Vladivostok city

1	Manufacturer	"Primorsky Basalt" LLC
2	Name of product	Basalt broken stone (fr. of 5-20 mm, 10-20 mm, 20-40 mm, 40-70 mm, 120-200 mm) for construction works (GOST 8267-93; GOST 8269,0-97)
3	Density, g/cm ³	3.07
4	Packed density, g/cm ³	1.56
5	Water absorption, %	0.4
6	Breakability, %, Br.	7-0 "1400"
7	Scuff-resistance in abrasion machine	И – 1
8	SO ₃ content, %	0.145 – 0.1
9	Frost resistance, %, F	4.6%; F-300

Elemental composition

SiO ₂	TiO ₂	Al ₂ O ₃	Fe ₂ O ₃	FeO	MnO	MgO	CaO	Na ₂ O	K ₂ O	P ₂ O ₅	SO ₃
39.60	2.20	13.25	6.33	8.02	0.23	10.95	10.46	3.51	1.38	1.09	1.08

Decision: material conforms GOST 8267-93; 8269,0-97. It is suitable for macadam foundations construction and for asphalt pavement of motorways, for concrete preparation with F-300 frost resistance. According to sanitation and epidemiological decision the power of equivalent dose of gamma-rays does not exceed the allowable value of SR 2.6.1.799-99 "The principal sanitation rules for radiation safety control (OSPORB – 99)", SanRaN 2.6.1.2523-09 "Radiation Standards" (NRB-99/2009). On the basis of the tests results the constructional material belongs to the first class of constructional materials (GOST 30108-94) and can be used for every sort of construction.

General Director
of "Primorsky Basalt" LLC

/Signature/

Khelemendik V.A.