



GENEVA ROCK PRODUCTS, INC.

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AGGREGATE SUBMITTAL Report of Physical Properties

GRP Material Description: Rock, 1 1/2"

Report Date: September 10, 2026

GRP Material Code: ROCF

Reviewed by: Dan McDaniel

Source Location/Code: North Hansen / 527(525)

Report No. 527ROCF00426

TEST RESULTS					SIEVE ANALYSIS		
Standard	PHYSICAL PROPERTIES		Result	Test Spec.	ASTM C136 AASHTO T27		
ASTM C 29 AASHTO T19	Unit Weight	Unit Weight, lbs./cu.ft. =	90		Sieve Size	% Passing	Spec.
		Voids, % =	44				
		☐ Jigged ☐ Loose ☒ Rodded			450 mm (18")		
ASTM D1557 AASHTO T180	Modified Proctor	Max. density, lbs./cu.ft. =			375 mm (15")		
		Optimum Moisture, % =			300 mm (12")		
ASTM D698 AASHTO T99	Standard Proctor	Max. density, lbs./cu.ft. =			250 mm (10")		
		Optimum Moisture, % =			225 mm (9")		
ASTM D4318 AASHTO T89/90	Liquid Limit Plastic Limit Plasticity Index	Liquid Limit=	0		200 mm (8")		
		Plastic Limit=	0		150 mm (6")		
		Plasticity Index=	0		125 mm (5")		
ASTM C131 AASHTO T96	L.A. Abrasion	Small Coarse Loss, % =			100 mm (4")		
		Grading/Revolutions, =			75.0 mm (3")		
ASTM C535	L.A. Abrasion	Large Coarse Loss, % =	22		63.0 mm (2-1/2")		
		Grading/Revolutions, =	3/1000		50.0 mm (2")	100	
ASTM C 128 AASHTO T84	Fine Specific Gravity & Absorption	Bulk Specific Gravity (dry) =			37.5 mm (1-1/2")	98	
		Bulk Specific Gravity, SSD =			25.0 mm (1")	23	
		Apparent Specific Gravity =			19.0 mm (3/4")	3	
		Absorption, % =			12.5 mm (1/2")	2	
ASTM C 127 AASHTO T85	Coarse Specific Gravity & Absorption	Bulk Specific Gravity (dry) =	2.557		9.5 mm (3/8")	1	
		Bulk Specific Gravity, SSD =	2.580		6.3 mm (1/4")		
		Apparent Specific Gravity =	2.618		4.75 mm (No.4)		
		Absorption, % =	0.9		2.36 mm (No.8)		
ASTM D2419 AASHTO T176	Sand Equivalent	Sand Equivalent, % =			2.00 mm (No.10)		
ASTM C 88 AASHTO T104	Soundness	Coarse Soundness Loss, % =	1		1.18 mm (No.16)		
		Sodium No. of Cycles =	5		0.600 mm (No.30)		
	Soundness	Fine Soundness Loss, % =			0.425 mm (No.40)		
		Sodium No. of Cycles =			0.300 mm (No.50)		
ASTM C 1252 AASHTO T304	Fine Aggregate Angularity	Uncompacted Voids, % =			0.180 mm (No.80)		
		Method C (as received material)			0.150 mm (No.100)		
ASTM C40 AASHTO T21	Organic Impurities	Coarse Aggregate, % =	0.0		0.075 mm (No.200)	0.9	
		Fine Aggregate, % =			ASTM D422		
ASTM C142 AASHTO T112	Clay / Friable Particles	Coarse Aggregate, % =	0.0		Hydrometer =		
		Fine Aggregate, % =			ASTM C566 AASHTO T255		
ASTM C123 AASHTO T113	Lightweight Pieces	Coarse Aggregate, % =	0.0		Moisture Content, % =		
		Fine Aggregate, % =			ASTM C136 AASHTO T27		
ASTM D1883 AASHTO T193	CBR	Surcharge = 10 lbs CBR @ 0.1"=			Fineness Modulus (FM) =		
		Swell% = 0.0% CBR @ 0.2"=			AASHTO M145		
ASTM D5821	Fractured Face	1 or 2 Faces =	1=100	2=98	Classification of Soils =		
		Fractured Face, % =	3=92		ASTM D4791 Ratio =	5:1	
AASHTO T288	Resistivity	10300chm-cm			Flat & Elongated, % =	0.0	
				AASHTO T267 Organic Content of Soils 0.01			
AASHTO T289 PH 8.91 AASHTO T291 Chlorides 5.08 PPM AASHTO T290 Sulfates 5.00 PPM							