



# RED FLINT - Filter Sand & Gravel Industrial and Municipal

For over 60 years, Red Flint sand and gravel has been satisfying the requirements of industrial and municipal users. Red Flint products have been specified and used nationally and internationally because of their high quality, desirable chemical properties and wide range of precision sizing. These factors, combined with prompt, reliable service by people who care, are key reasons why so many of our customers state "If you want the very best, use Red Flint."

**There are important reasons for specifying and using Red Flint industrial sand and gravel:**

- Meets AWWA specifications
- Red Flint is a "natural state" glacial deposit product
- Precision sizing and uniform grading with close limits
- Red Flint filter sand and gravel meets strictest effective size and uniformity coefficients
- All product is processed to exacting specifications

**Average Screen Analysis of Red Flint Sand  
Standard Grades - Effective Sizes - MM Uniformity Coefficient - 1.35 - 1.70 Range**

Opening mm	Sieve No.	0.35-0.45		0.45-0.55		0.50-0.60		0.60-0.65		0.70-0.80		0.80-1.20		1.65-2.00	
		% Ref	% Pass	% Red	% Pass	% Ref	% Pass	% Ref	% Pass	% Ref	% Pass	% Ref	% Pass	% Ref	% Pass
3.327	6													0.5	99.5
2.794	7													1.0	98.5
2.362	8													58.0	40.5
1.981	9									0.0	100.0	0.0	100.00		
1.651	10									14.0	86.0	28.0	72.0	38.0	2.5
1.397	12					0.0	100.0	0.0	100.0	11.0	75.0	30.0	42.0		
1.168	14			0.0	100.0	8.0	92.0	8.5	91.5	20.0	55.0	32.0	10.0	2.5	0.0
0.991	16		100.0	1.0	99.0	24.0	68.0	16.0	75.5	22.0	33.0	9.5	0.5		
0.883	20	1.0	99.0	10.0	89.0	32.0	36.0	25.0	50.5	18.0	15.0	0.5	0.0		
0.701	24	8.0	91.0	27.0	62.0	24.0	12.0	26.0	24.5	11.0	4.0				
0.589	28	24.0	67.0	29.0	33.0	8.0	4.0	20.5	4.0	4.0	0.0				
0.495	32	29.0	38.0	25.0	8.0	4.0	0.0	4.0	0.0						
0.417	35	23.0	15.0	6.0	2.0										
0.351	42	12.0	3.0	2.0	0.0										
0.295	48	3.0	0.0												
0.208	65														
0.147	100														

Uniformity coefficient can be controlled at points between limits shown above.

**Average Screen Analysis for Standard Grades of Red Flint Filter Gravel Percent Retained**

Filter/Gravel Sizes	3	2 1/2	2	1 1/2	1 1/4	1	7/8	3/4	5/8	1/2	3/8	1/4	No. 4	No. 6	1/8"	No. 8
2 1/2x1 1/2	0	0-5	40-60	30-40	0-5											
1 1/2x1				0-5	40-65	45-60	0-5									
1 1/2x3/4				0-5	38-52	30-55		45-60	0-5							
1x3/4					0-5	50-70	30-50	0-5								
1x5/8					0-5	25-40	30-45	25-40	0-5							
1x1/2						0-5	35-50		15-65	0-5						
3/4x1/2							0-5	50-70	30-50	0-5						
5/8x5/8								0-5	35-48	45-65	0-5					
1/2x1/4									0-5	45-60	40-60	0-5				
3/8x3/4										0-5	45-65	35-60	0-5			
1/4x1/8											0-5	15-35	50-70	10-20	0-8	

Red Flint and Red Flint Filter Sand is tested and certified by UL under ANSI/NSF 61 for materials only.

Red Flint and Red Flint Filter Sand is manufactured by: American Materials Corp. - Eau Claire, WI



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