

Table 6.1 Surface area measurements, sieve analysis and calculation of effective surface areas before and after weathering testing in duplicate for the Kawanaha Black Flint Shale.

Kawanwha Black Flint Shale

surface		normalized surface area
area	% retained	
3/8	8.94	0
#4	7.5	3
#10	12.98	3.2
#16	9.8	1
#40	9.91	1
#60	10.68	0.5
pan	7.61	0.8

9.5
m²/g

Kawanwha Black Flint Shale

column 3			
surface		normalized	
area	% retained	surface area	
3/8	8.32	0	
#4	9.31	0.4	3.72
#16	8.34	0.35	2.92
#40	10.17	0.1	1.02
#60	10.1	0.05	0.51
pan	9.57	0.1	0.96

9.12
m²/g

column 4			
surface		normalized surface area	
area	% retained	area	
3/8	10.76	0	
#4	7.9	0.4	3.2
#16	9.69	0.35	3.4
#40	10.59	0.1	1.1
#60	13.65	0.05	0.7
pan	7.73	0.1	0.8

9.07
m²/g