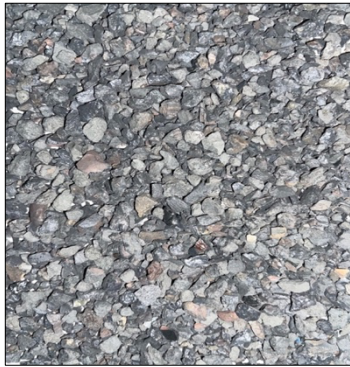




IRON SILICATE ABRASIVES
 TECHNICAL DATA
 OCTOBER 2021

Physical Properties

Mohs Hardness: >7
 Specific Gravity: 3.4 to 3.6
 Color: Dark Gray
 Shape: Uniform & Angular
 Bulk Density: 100-120 lbs/cu.ft.
 Crystalline Silica: <0.1%



Typical Chemical Analysis

Fe ₂ O ₃	45.4%
Na ₂ O	0.2%
SiO ₂	39.4%
K ₂ O	0.3%
Al ₂ O ₃	7.3%
Ti ₂ O ₃	0.2%
CaO	6.6%
P ₂ O ₅	0.1%
MnO	0.01%
S	1.0%
MgO	1.7%

Typical Gradation - % Retained

PRODUCT:	X-COARSE		COARSE		MEDIUM		FINE		X-FINE		SS-80	
U.S. Std. Sieve	Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical	Range	Typical
8	0	0										
12	4-20	14	0-5	.1	0-2	0						
16	30-60	45	20-50	41	0-10	5						
20	10-40	23	10-40	30	10-50	32	0-15	9				
30	5-20	10	5-30	15	10-40	26	20-60	33	0-1	0	0-1	.2
40	0-9	7	0-20	10	10-40	22	20-60	28	0-2	.2	10-30	16
50	0-2	1			5-35	13	10-30	19	5-30	9	20-40	29
60							0-15	6	10-40	17	15-30	22
70			0-10	3	0-10	2	0-10	2	5-30	17	10-25	17
80			0-2	.7	0-2	.8	0-5	1	0-25	14	5-20	13
120							0-5	1	5-35	26	0-5	3
-120									0-25	18	0-2	.7
Profile (mils)**	4.0-5.0		3.5-5.0		2.5-3.5		2.0-3.0		1.5-2.5		1.5-2.5	

** Typical profile results when blasting carbon steel @ 90-100 psi (at the nozzle), 18"-24" from surface, and at a 45 to 90-degree angle

Sharpshot® qualifies as a Type II, Class A abrasive when tested in accordance with section 4.1 of SSPC Abrasive Standard No.1 (SSPC-AB-1).