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SHARPGUARDTM

IRON SILICATE EPOXY OVERLAY AGGREGATE TECHNICAL DATA

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Physical Properties

Mohs Hardness:	>7
Specific Gravity:	3.4 to 3.6
Color:	Dull Black
Shape:	Uniform & Angular
Bulk Density:	100-120 lbs/cu.ft.

Typical Aggregate Properties

Absorption (ASTM C128): Fractured Faces (ASTM D2821):	0.9% 100%
LA Abrasion (ASTM C131):	100,0
100 revolutions:	3%
500 revolutions:	13%
Micro Deval (ASTM D6928):	2.3% loss
Soundness (ASTM C88):	
Magnesium Sulfate (5 cycles):	5% loss
Sodium Sulfate (5 cycles):	0% loss
Dust Adherence (ASTM D5711):	0.1%
Polished Stone Value (AASHTO T279):	42
Fine Agg. Angularity (AASHTO T306B):	46.0
Moisture Content (ASTM D2216):	0.05%

Typical Gradation

4x16-F Epoxy Overlay Aggregate		
U.S. STD. Sieve No.	Range % Passing	Typical % Passing
4	100	100
8	30-75	43
16	0-5	3
30	0-1	0.1

Typical Chemical Analysis

Fe_2O_3	45.4%
SiO ₂	39.4%
AI_2O_3	7.3%
CaO	6.6%
MnO	0.01%
MgO	1.7%
Na₂O	0.2%
K ₂ O	0.3%
T_1O_2	0.2%
P_2O_5	0.1%
S	1.0%