



Made in USA

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# SHARPGUARD™

## 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): 0.9%  
Fractured Faces (ASTM D2821): 100%  
LA Abrasion (ASTM C131):  
    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-C Epoxy Overlay Aggregate		
U.S. STD. Sieve No.	Range % Passing	Typical % Passing
4	100	100
8	15-25	21
16	0-5	0.2
30	0-1	0.1

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 <sub>2</sub> O <sub>3</sub>	45.4%	Al <sub>2</sub> O <sub>3</sub>	7.3%	MgO	1.7%	TiO <sub>2</sub>	0.2%
SiO <sub>2</sub>	39.4%	CaO	6.6%	Na <sub>2</sub> O	0.2%	P <sub>2</sub> O <sub>5</sub>	0.1%
S	1.0%	MnO	0.01%	K <sub>2</sub> O	0.3%		