

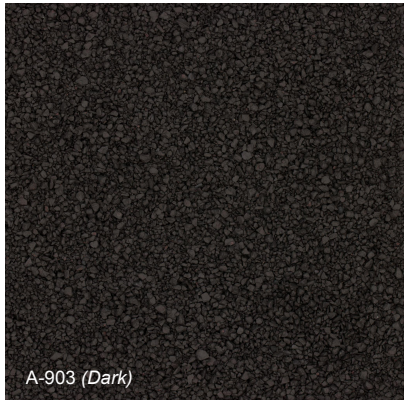
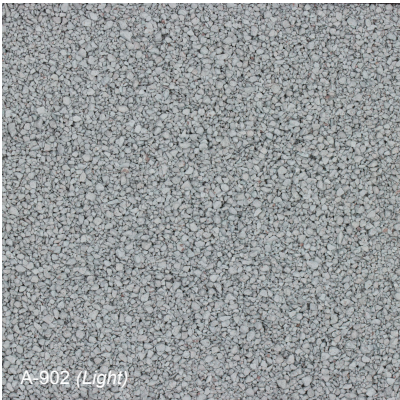
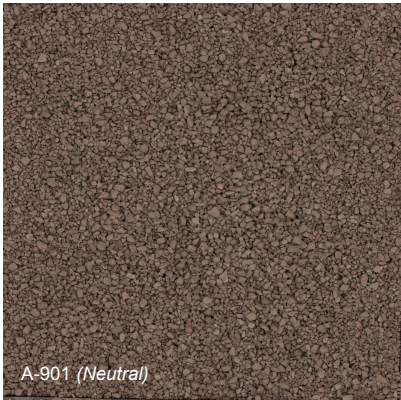


*From the roof to the road to the dinner table, our rocks improve lives.*

## Algae Resistant Roofing Granules

### Technical Product Summary

For almost 100 years, SGI has been a leader in supplying specialized mineral products to the North American building materials industry. Consistent, high-quality products, science-backed solutions, and exceptional customer service set SGI apart, and make SGI products the preferred choice.



#### Baseroack Properties

Specific Gravity (SGI MP-33)  
Bulk Density - Loose in lbs./ft<sup>3</sup> (SGI MP-13)  
Hardness - Barrett (SGI MP-7)  
Moisture (Prior to oiling)

#### Typical

2.60-2.70  
88-93  
91-97  
<0.2%

Discoloration of roofing shingles has been a long-standing issue caused by terrestrial blue-green algae. The issue is common throughout both the United States and Canada.

SGI research has demonstrated the efficacy of our algae-resistant granules when used as a uniform blend on asphalt roofing shingles.

#### Typical Granule Screen Grading (ASTM D-451)

STANDARD SIEVE	
TYLER	U.S.
8	8
10	12
14	16
20	20
28	30
35	40
Pan	Pan

PERCENT RETAINED	
MINIMUM	MAXIMUM
0	Tr
4	10
30	45
25	35
14	24
2	9
0	2

#### Color

Algae-resistant roofing granules are available in neutral, light, and dark colors for blending. Fired granule appearance prior to oiling will be  $\pm 1.0$  color units of standard for L, a, b, scales (SGI MP-23).

Color Permanence is demonstrated by long-term performance in natural weathering and short-term testing using accelerated weathering equipment.

#### Availability

SGI | Annapolis Plant  
Annapolis, MO  
Plant Phone: 573-598-4235  
Customer Service: 866-266-8503