



Solar Reflective Roofing Granules #11 Grade

Technical Product Summary

Offering the best Total Solar Reflectance & richest colors available.

As the national leader in developing high-quality granules for the North American asphalt roofing industry, SGI offers science-backed solutions to the real-world challenges customers face.

Solar Reflective Roofing Granules (Minimum Total Solar Reflectance Values)

Color	Generation 4
Gray-Green	I-116Q (0.22)
Black	A-340Q (0.21)
Light Black	A-341Q (0.24)
Cinnamon	I-546Q (0.22)
Brown	A-552Q (0.23)
Antique Gold	I-556Q (0.24)
Buff	I-560Q (0.28)
Gray	I-760Q (0.25)
Accent Tone	A-801Q (0.24)

Granule Properties

Specific Gravity (SGI HLP-74)	.60-2.85
Bulk Density - Loose in lbs./ft ³ (SGI MP-13)	85-92
Basrock Hardness - Barrett (SGI MP-7)	>80
Emittance (SGI MP-66)	85-92

Typical

SGI Solar Reflective Roofing Granules provide the highest solar reflectivity and richest colors on the market, enabling the manufacture of high-quality asphalt shingles with increased energy efficiency.

By limiting the transmission of solar infrared radiation through the shingle, the heat load can be reduced to the building structure, providing energy and cost-savings to the customer.

SGI Solar Reflective Roofing Granules are available in a full color palette, matching standard granule colors while addressing the most challenging reflectance goals.

Color

Fired granule appearance with SGI's innovative, patented Aqueous Post Treatment (AQPT) will be +/-1.0 color units of standard 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.

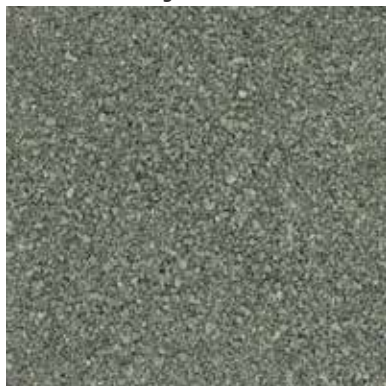


From the roof to the road to the dinner table, our rocks improve lives.

Solar Reflective Roofing Granules #11 Grade

(Minimum Total Solar Reflectance)

Gray-Green



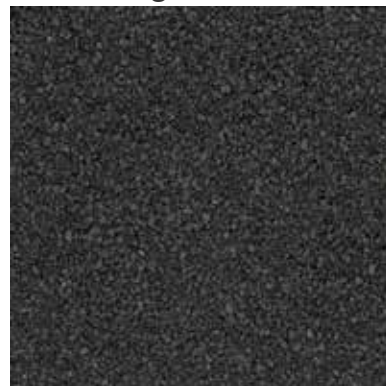
I-116Q
(0.22)

Black



A-340Q
(0.21)

Light Black



A-341Q
(0.24)

Cinnamon



I-546Q
(0.22)

Brown



A-552Q
(0.23)

Antique Gold



I-556Q
(0.24)

Buff



I-560Q
(0.28)

Gray



I-760Q
(0.25)

Accent Tone



A-801Q
(0.24)