

TECHNICAL DETAILS

TOTAL SOLAR REFLECTANCE

Minimum of 0.73
(3M TM067 - measured on full grade)

PACKAGING

5-gallon pails
18.9 L

OPACITY

Protects Asphalt Substrate
from the effects of sunlight

BULK DENSITY

71-78 lbs./ft³ Packed
(3M TM058)

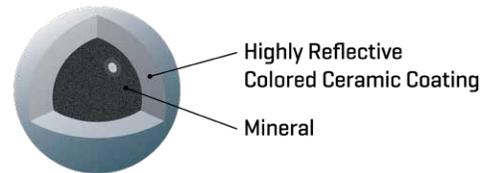
SPECIFIC GRAVITY

2.55-2.70
(Helium pycnometry)

COLOR

Bright White

SOLAR REFLECTIVE GRANULES



PRODUCT USE

Malarkey's highly reflective granules from 3M™ are ceramic-coated minerals used as surfacing material in steep and low slope asphalt roofing products and designed specifically to have a higher total solar reflectance than standard granules. The granules are similar in sieve size to a #11 granule used in roofing and due to their high reflectivity, can be broadcast into seams when using Malarkey RCap™ membranes.

COMPOSITION & MATERIALS

The granules are colored with durable pigments, bonded in a ceramic matrix, and treated to promote adhesion to asphalt.

Grade: (3M TM-006 or 3M TM-085)

% RETAINED U.S. SIEVE NO.	NOMINAL OPENING	TYPICAL % RANGES*
8	2.36 mm	0 - 0.5
12	1.70 mm	2 - 20
16	1.18 mm	40 - 60
20	850 microns	25 - 45
30	600 microns	5 - 15
40	425 microns	0 - 5
>40	<425 microns	0 - 1

*Typical retained range.

TECHNICAL ASSISTANCE:

Malarkey has technical services assistance available.
Contact Malarkey for details:
Call weekdays 7:00 am to 5:00 pm Pacific Time
at 800.545.1191 or 503.283.1191.
technicalinquiries@malarkeyroofing.com

CORPORATE OFFICE:

3131 N. Columbia Blvd. Telephone: 503.283.1191
Portland, OR 97217-7472 or 800.545.1191
P.O. Box 17217 Fax: 503.289.7644
Portland, OR 97217-0217