




TECHNICAL DETAILS

WIDTH ± 1/8" 13 1/4" 337 mm	LENGTH ± 1/4" 40" 1.02 m
EXPOSURE 5 5/8" 143 mm	GRANULE ADHESION 0.35 g Typical Results
SHINGLES/SQUARE 64 4 bundles/square	SQUARES/PALLET 12 from CA

TEST COMPLIANCE

ASTM D7158 Class H	ASTM D3462
ASTM D3161 Class F	ASTM D3018 Type I
ASTM E108 Class A Fire Rating	UL RATING 2218 Class 4
CSA A123.5	ICC APPROVAL ESR-3150
FBC APPROVAL #14809	ICC-ES ACCEPTANCE AC438
	Compliant with CEC Title 24, Part 6 Cool Roof Requirements
	

See page 2 for solar reflectance technical data.

FEATURES & BENEFITS

- Sustainable NEX® asphalt technology
- Extreme weather protection
- Superior granular embedment
- Solar reflective shingles in two colors
- Larger nailing area of The Zone®
- Double rain seal protection
- 3M™ Scotchgard™ Protector Warranty
- 3M™ Smog-Reducing Granules
- Limited Lifetime Shingle Warranty
- Limited & Enhanced Wind Warranties

NEX® POLYMER MODIFIED SOLAR REFLECTIVE LAMINATED SHINGLES


PRODUCT USE

Ecoasis™ Premium is a solar reflective, laminated architectural shingle fortified with sustainable NEX® polymer modified asphalt technology for extreme weather protection and includes Scotchgard™ Protector algae protection. Ecoasis™ Premium shingles feature the patented, nailing accuracy design of The Zone® which dramatically improves correct fastener placement and have measured radiative property values listed with the Cool Roof Rating Council and can be used to comply with California Energy Code Title 24, Part 6 Cool Roof Requirements. Please consult Malarkey's Technical Services Department for approval of roof systems.

COMPOSITION & MATERIALS

Ecoasis™ Premium is manufactured on a non-woven fiberglass mat and impregnated on both sides with NEX® polymer modified bitumen (asphalt) that is compounded with a fire-retardant mineral stabilizer. It's surface incorporates an innovative combination of ceramic granules that provide varied color, weatherability, increased solar reflectance, and smog reduction.

APPLICATION

Shingles should be applied over a Malarkey underlayment or an approved, code-compliant substitute. Installation instructions are available on the shingle wrapper, at WWW.MALARKEYROOFING.COM, or by contacting your local Malarkey representative. Industry standards are found in NRCA manuals. Shingles should be attached to decking with approved fasteners, and Malarkey recommends the use of corrosion-resistant nails for this purpose. Staples are not allowed.

PRECAUTION

Malarkey recommends Ecoasis™ Premium be protected from the weather and stored in a cool, dry, well-ventilated area. Do not double-stack pallets. Do not use where roof slope is less than 2:12 (2" [51 mm] per 12" [305 mm]). For slopes 2:12 up to 4:12 (4" [102 mm] per 12" [305 mm]), a double layer of underlayment is required (IBC & IRC have an exception for a single layer of ASTM D1970 underlayment in lieu of a double layer). Ecoasis™ Premium has a factory-applied self-sealing strip that activates in warm weather. When applied in cold weather or windy locations, hand-sealing is recommended but not required if sealant activates. On slopes greater than 21" (533 mm) per 12" (305 mm), hand-sealing underneath and six nails are required. Contact Malarkey for further conditions and instructions.

WARRANTY

Ecoasis™ Premium includes a Limited Lifetime Warranty, a 110 mph (177 kph) Limited Wind Warranty, and can be combined with other Malarkey products for a 130 mph (209 kph) Enhanced Wind Warranty. Ecoasis™ Premium also carries Malarkey's Ltd. Lifetime Scotchgard™ Protector Warranty against algae growth and staining. Contact your roofer, local distribution center, or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

Ecoasis™ Premium and other Malarkey products are available throughout North America and Pacific Rim countries.

Visit WWW.MALARKEYROOFING.COM for additional product information and availability.

Note: Malarkey Roofing Products® Inventory SKU number for this product: 283 Ecoasis™ Premium featuring Scotchgard™ Protector from 3M

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
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P.O. Box 17217 Fax: 503.289.7644
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on our website.



NEX® POLYMER MODIFIED SOLAR REFLECTIVE LAMINATED SHINGLES



SOLAR REFLECTANCE TECHNICAL DATA

Ecoasis™ Premium is listed with the Cool Roof Rating Council.
Ecoasis™ Premium has tested to these radiative property values:



Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.

	ECOASIS™ PREMIUM (AGAVE)		ECOASIS™ PREMIUM (TUMBLEWEED)	
	INITIAL	WEATHERED	INITIAL	WEATHERED
SOLAR REFLECTANCE	0.27	0.25	0.26	0.26
THERMAL EMITTANCE	0.92	0.96	0.93	0.94
SOLAR REFLECTIVE INDEX (SRI)	29	28	28	28
Related Product ID Licensed Manufacturer ID: 0850 Classification: Production Line	0850-0020		0850-0019	

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